



ITAM

Integrated Training Area Management

QUALITY LANDS, QUALITY SOLDIERS

U.S. ARMY



NGB MACOM AGENDA

1000-1050 NGB ITAM Program Update

1050-1100 NGB GIS Program Update

1100-1130 NGB RTLTP Program Update

1130-1200 NGB Conservation Program
Update

IWAM Johnson Room Tuesday 1300-1700

RFMSS Johnson Room Tuesday 1300-1700

ATTACC Forsyth Room Tuesday 1300-1500



ITAM Program Management Review

Program Manager

Mr. Joe Norberg

NGB-ART-S

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327

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Program Coordinator

MAJ Amy Calder

NGB-ARE-C

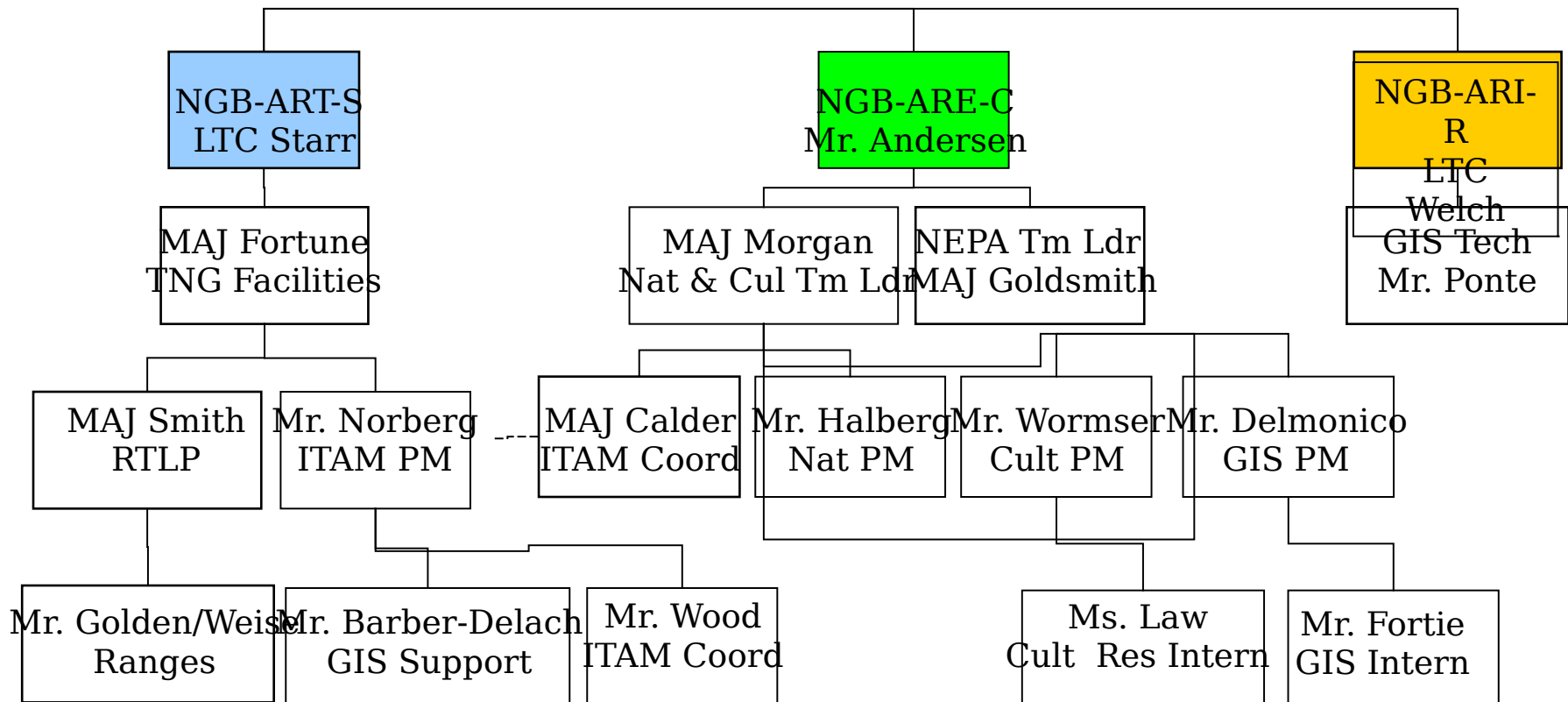
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327

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ITAM

NGB Organization



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ITAM Funding

FY99 \$3.2M

FY00 \$5.0M

FY01 \$8.6M

FY02 \$7.56M

FY 03 \$8.11

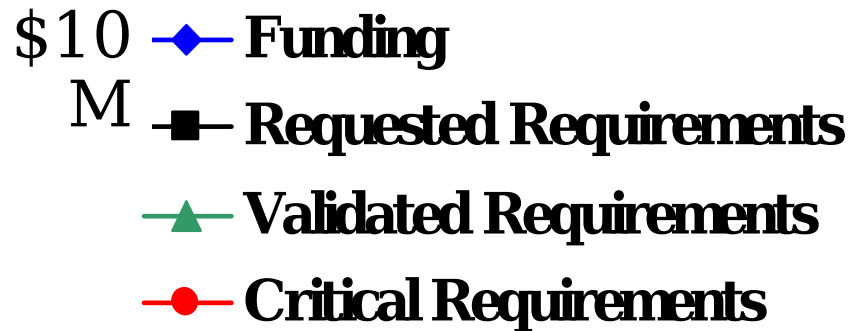
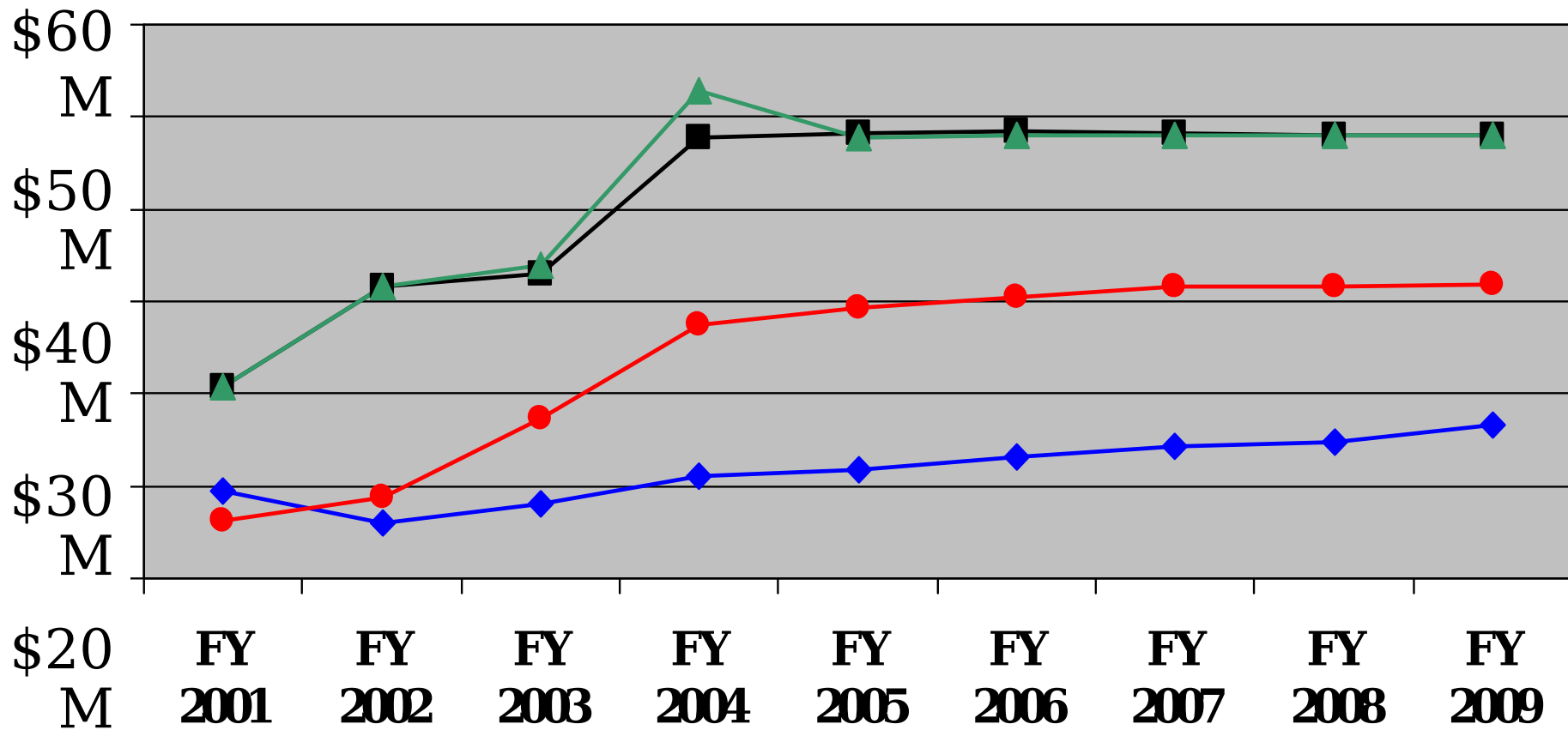
FY 04 \$11.1





PROPOSED ITAM FUNDING







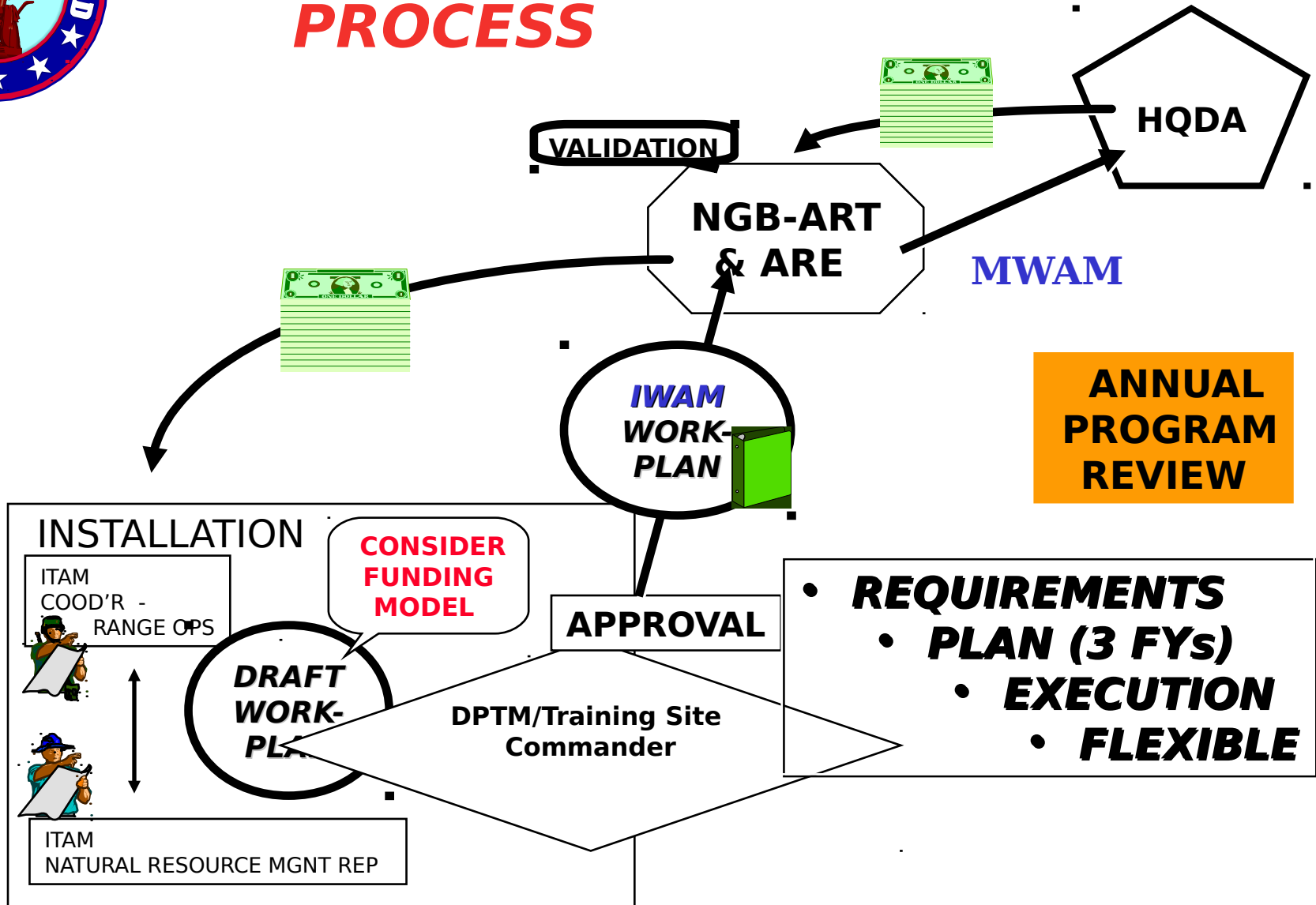
Program Funding

	FY 2001	FY 2002	FY 2003	FY 2004
Funding (Millions \$)	9.428	6.110	8.115	11.112

	FY 2005	FY 2006	FY 2007	FY 2008
Funding (Millions \$)	11.72 0	13.148	14.246	14.761



WORKPLAN PROCESS



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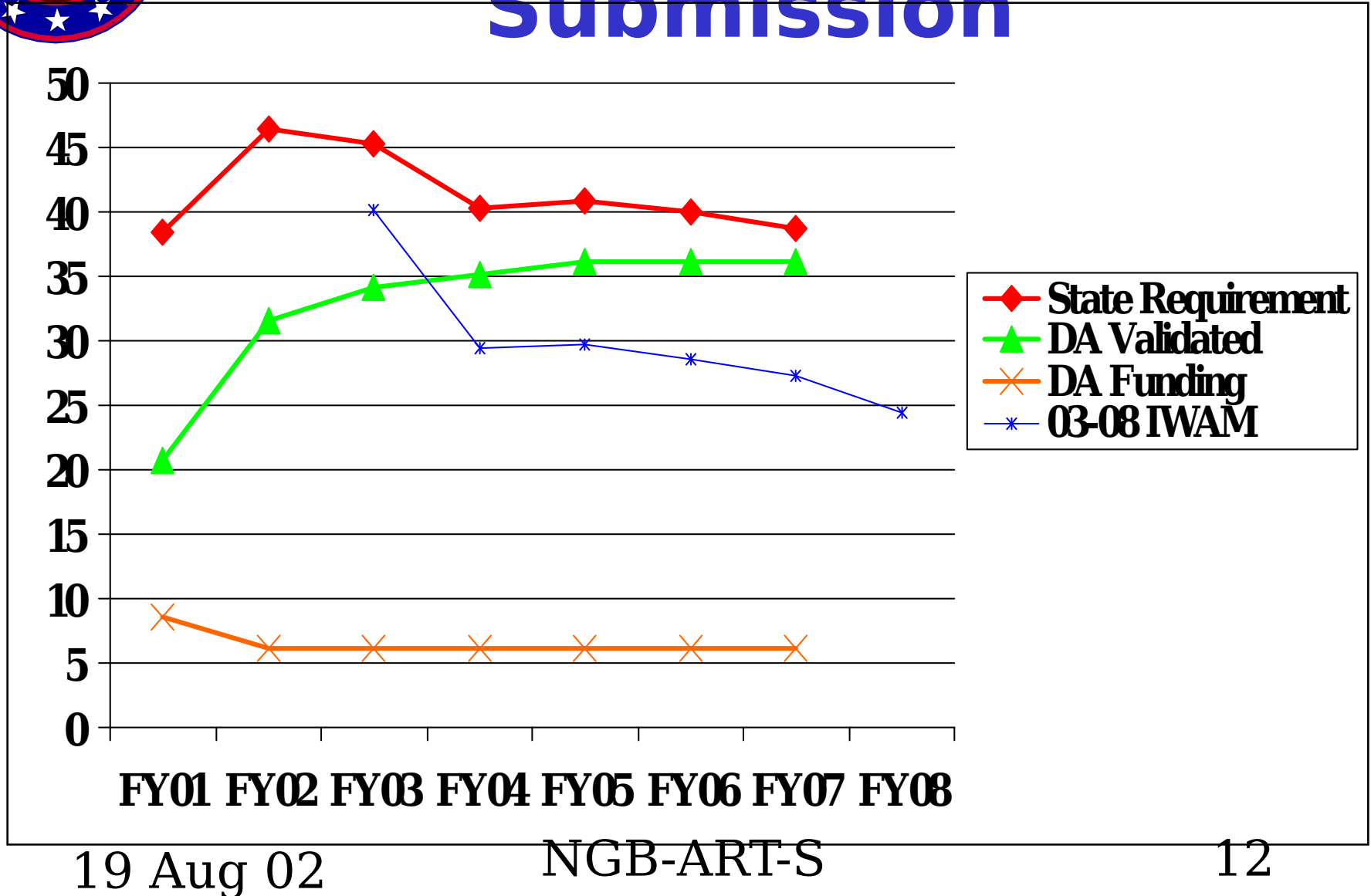


IWAM Build

- Completed IWAM due to NGB **15 Jan 04**
- ATSC has a contract for Web Version ???
 - But no Maintenance Contract
 - ATSC POC Mr. Larry Jantz (757) 878-3090
- Projects for **FY 04-09** need to:
 - Be detailed
 - Follow Appendix G & H of ITAM Procedural Manual
 - Coordinate with other staff / ask for needs



FY 03-08 IWAM Submission





ANNUAL FUNDING GUIDANCE

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FY 2003 ITAM (TATM) PRELIMINARY ANNUAL FUNDING GUIDANCE (24 MAY 02)

				APPN
ST	INSTALLATION	CAT	FY 03 PAFG	IVAM PROJ ECTS/DESCRIPTION
AK			\$21,000	
	STEWART RIVER	IV		AKSR-0305 1K, AKSR-0319 20K
AL			\$285,000	
	McCLELLAN	II		ALMC-0301 140K, ALMC-0303 48K, ALMC-0305 12K, ALMC-0009 3K, ALMC-0313 2K
	EGLIN	III		ALEGRU-0001 30K, ALEGPA-0001 10K, ALEG-0007 40K
AR			\$540,000	
	CHAFFEE	I		ARCH-0001 43K, ARCH-0065 160K, ARCH-0006 100K, ARCH-0040 50K, ARCH-0026 10K, ARCH-0003 20K
	ROBINSON	III		ARRO-0009 25K, ARRO-0003 10K, ARRO-0010 15K, ARRO-0024 50K, ARRO-0002 12K, ARRO-0010 15K
				ARRO-0031 2K, ARRO-0032 28K
AZ			\$95,000	
	NAVAJO	III		AZCN-0308 9K, AZCN-0305 15K, AZCN-0302 4K, AZCN-0306 3K
	FLORENCE	IV		AZFL-0305 36K, AZFL-0314 28K
CA			\$405,000	
	ROBERTS	II		CACR-0028 20K, CACR-0029 10K, CACR-0052 5K, CACR-0056 20K, CACR-0062 100K, CACR-0065 40K
	SAN LUIS OBISPO	II		CACR-0012 5K
				CASA-0034 12K, CASA-0037 30K, CASA-0018 43K, CASA-0029 100K, CASA-0024 20K
CT			\$21,000	
	STONES RANCH	IV		CTSR-0301 20K, CTSR-0812 \$700, CTSR-0814 \$300
FL			\$220,000	
	BLANDING	II		FLBL-0023 7K, FLBL-0024 46K, FLBLAP-0001 2K, FLBLAP-0002 2K, FLBLAP-0006 15K, FLBLAP-0014 5K, FLBLAP-0015 5K, FLBLAP-0020 12K, FLBLAP-0022 20K, FLBL-0025 50K, FLBLAP-0016 2K, FLBLAP-0017 2K, FLBLAP-0018 2K, FLBLAP-0019 5K, FLBL-0021 10K, FLBL-0003 1K, FLBL-0005 1K, FLBL-0006 3K, FLBL-0020 5K, FLBL-0032 9K, FLBL-0032 5K, FLBL-0019 5K, FLBL-0031 5K, FLBL-0007 1K
HI			\$103,000	
	KEAUKAHA	III		HIKA-0014 40K, HIKA-0006 30K, HIKE-0001 8.5K, HIKE-0026 6.2K, HIUK-0003 18.3K
IA			\$36,000	
	DODGE	IV		IADO-0010 15K, IADO-0012 5K, IADO-0014 10K, IADO-0018 6K
ID			\$325,000	
	ORCHARD (GF)	I		IDOR-0001 40K, IDOR-0037 30K, IDOR-0018 20K, IDOR-0020 25K, IDOR-0022 10K, IDOR-0024 40K, IDOR-0025 15K, IDOR-0027 20K, IDOR-0028 13K, IDOR-0029 4K, IDOR-0033 107K, IDOR-0006 1K
IL			\$21,000	
	MARSEILLES	IV		ILMA-03-1A 10K, ILMA-03-001 11K,
IN			\$186,974	
	ATTERBURY	II		INAT-0031 25K, INAT-0038 40K, INAT-0010 \$86,974, INAT-0012 35K
KS			\$21,000	
	SMOKEY HILLS	IV		KSSM-0021 5K, KSSM-0014 10K, 1KSSM-000 6K
KY			\$95,000	
	WENDELL FORD	III		KYWF-0001 24K, KYWF-0004 7K, KYWF-0006 19K, KYWF-0008 14K, KYWFAR-0001 3K, KYWFAR-0002 3K, KYWF-0002 20K, KYWF-0005 5K

			NG2 FUNDED PROJ ECTS
NG2 Account			
		\$200,000	Program Technical Support/Management by GIS Mngr and ITAM Asst Coordinator
		\$121,200	ITAM Program Management
		\$43,800	Centralized GIS Training of POTO/Tmg Site/RC Personnel
		\$68,000	State & RC GIS Software & Hardware Maintenance/Support
		\$1,000,000	Erosion Control, Land Rehabilitation and Maintenance Support/Equipment
		\$1,433,000	
			Monthly NG2 Spend Plan
		OCT	\$200,000 Prog Tech Supt/Mngmt by GIS & Asst ITAM Coordinator (Contract Trigger); \$10,100 ITAM PM
		NOV	\$10,100 ITAM PM; \$500,000 Erosion Cntrl, Land Rehab & Maint Spt/Equip, (TCAC Decision Trigger); \$38,000 GIS Software/Equipments (GISAC Plan Trigger)
		DEC	\$10,100 ITAM PM; \$43,800 GIS Training (Annual Training Plan Decision Trigger); \$30,000 GIS Software/Equipment (ART-S/Div Requirements Trigger); \$500,000 Erosion Cntrl, Land Rehab & Maint Spt/Equip Central Equip Purchase(TCAC Decision Trigger)
		JAN	\$10,100 ITAM PM;
		FEB	\$10,100 ITAM PM;
		MAR	\$10,100 ITAM PM;
		APR	\$10,100 ITAM PM;
		MAY	\$10,100 ITAM PM;
		JUN	\$10,100 ITAM PM;
		JUL	\$10,100 ITAM PM;
		AUG	\$10,100 ITAM PM;
		SEP	\$10,100 ITAM PM;
Total NG2			\$ 1,433,000 Total NG2
			TATM FY03 OMNG BUDGET SUMMARY
HQ TAX		\$43,026	
Total NG2		\$1,433,000	
Central Fund		\$6,638,974	
Total FY03 TATM PAFG		\$8,115,000	
PresBud 03 Lock		\$8,115,000	



ITAM Installation Categories

ARNG Training Sites

Cat I 5/23

Cat II 8/21

Cat III 25/38

Cat IV 25/33

63/ 115 Sites

Opportunity to Change-March PMR



EXPECTATIONS

- Integrate other Staff Actions and Funding
- Detailed IWAM Submission
- Participation in TCAC & other committees
- Responsiveness to NGB Info Requirements
- Early Obligation of Funds(No Wait and Hold)
- Professional Articles/Presentations Discussion
- “The Bridge” Articles (Winter Edition/Dec-Jan)



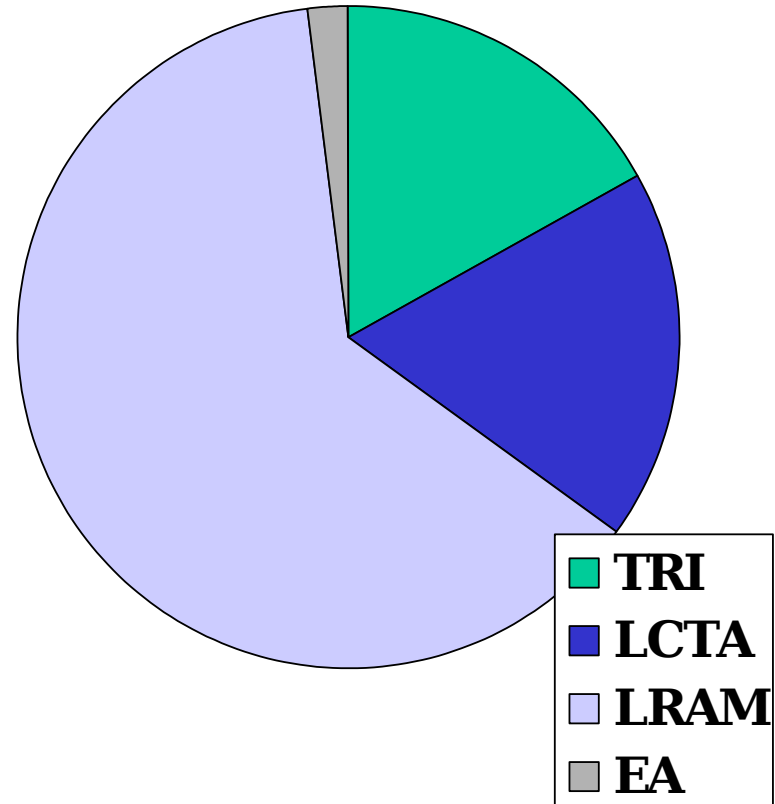
ITAM Obligation By Component FY01

TRI 17%

LCTA 18%

LRAM 63%

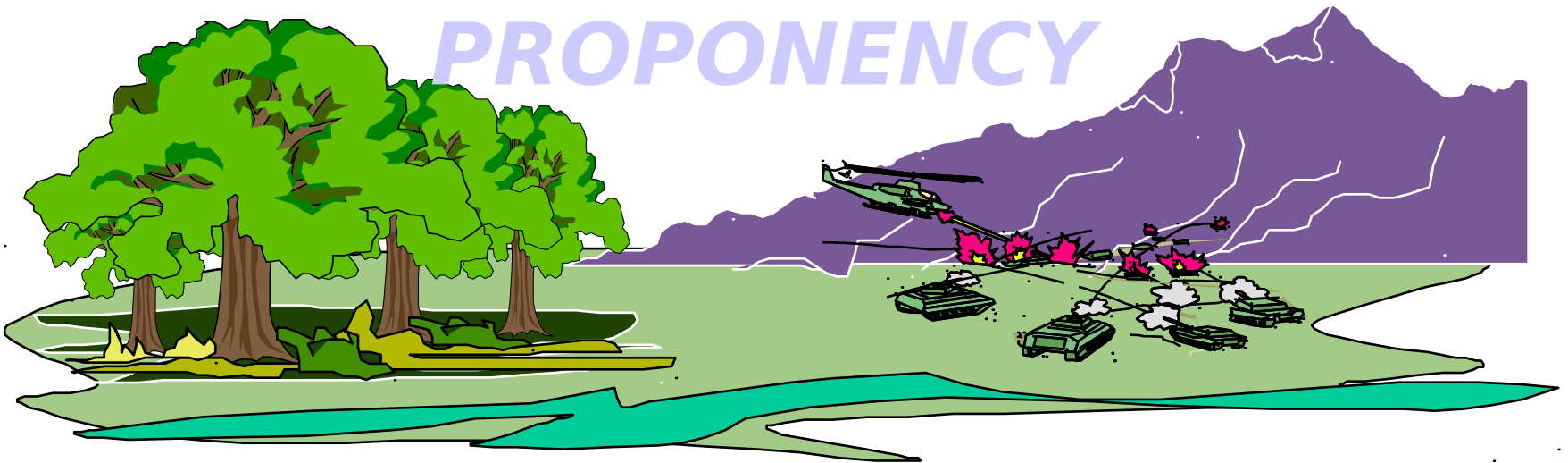
EA 2%





INTEGRATED TRAINING AREA MANAGEMENT (ITAM)

***DCSOPS / NGB-ART
PROPONENCY***

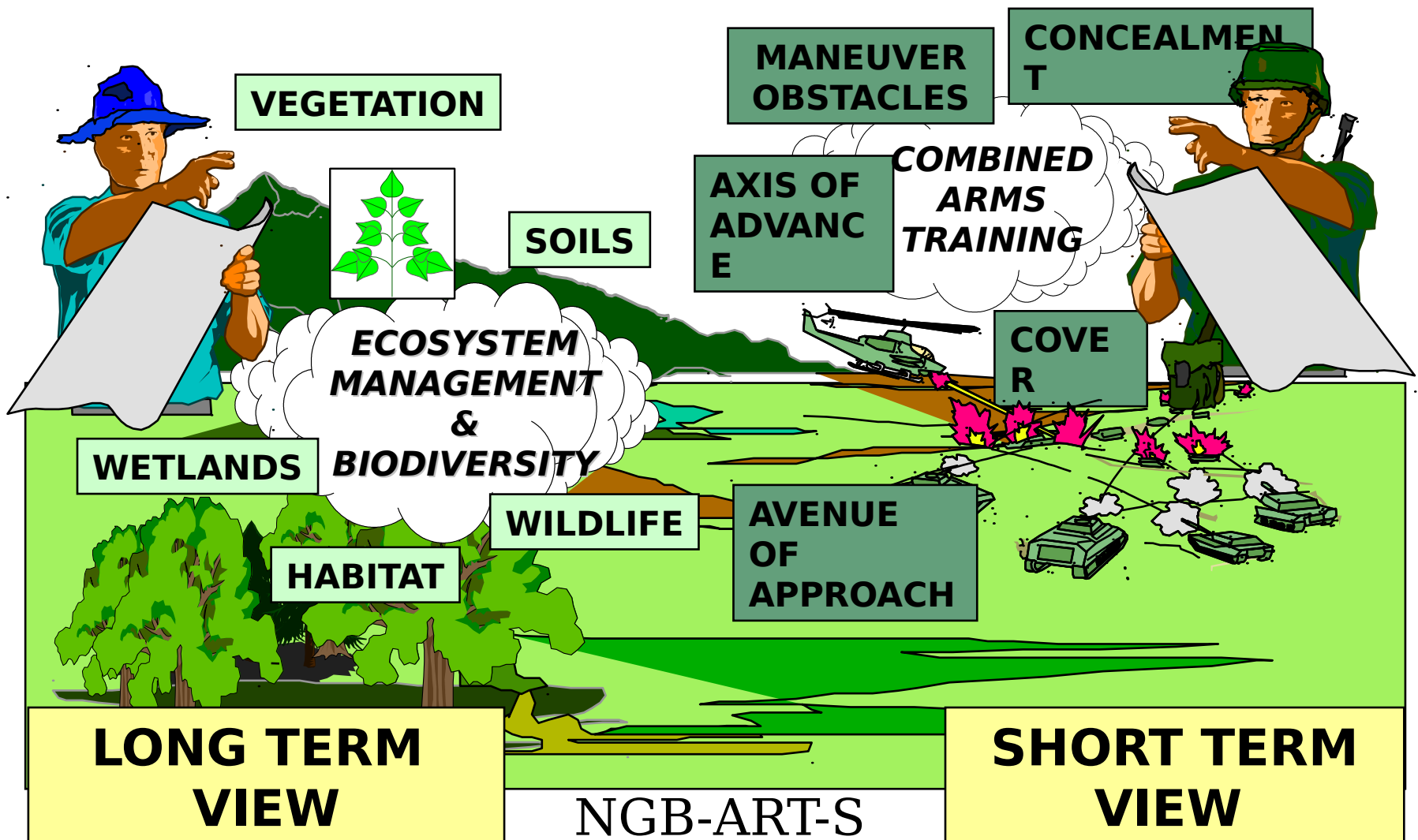


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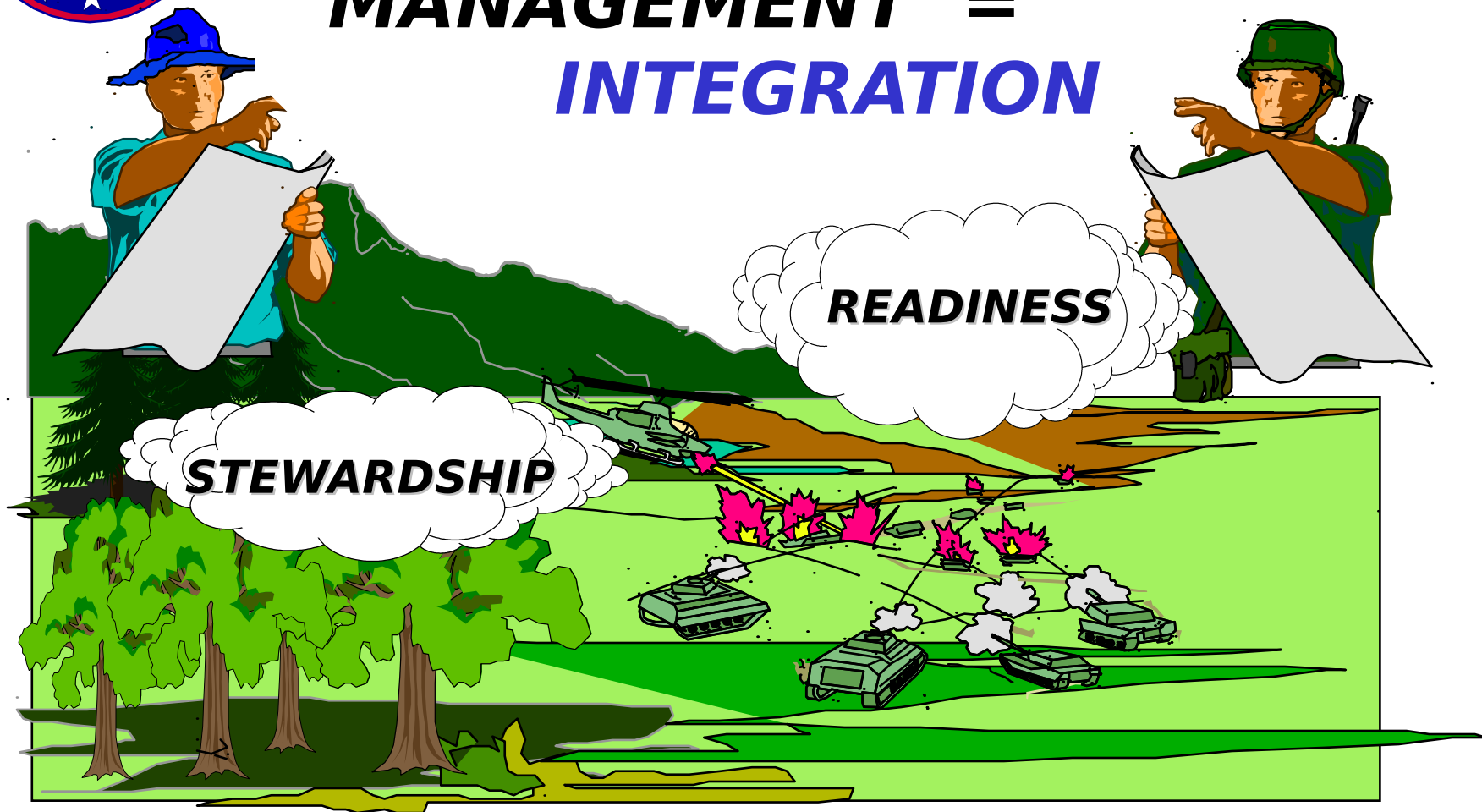


ARMY LAND IS SEEN FROM 2 PERSPECTIVES





ARMY LAND MANAGEMENT = INTEGRATION



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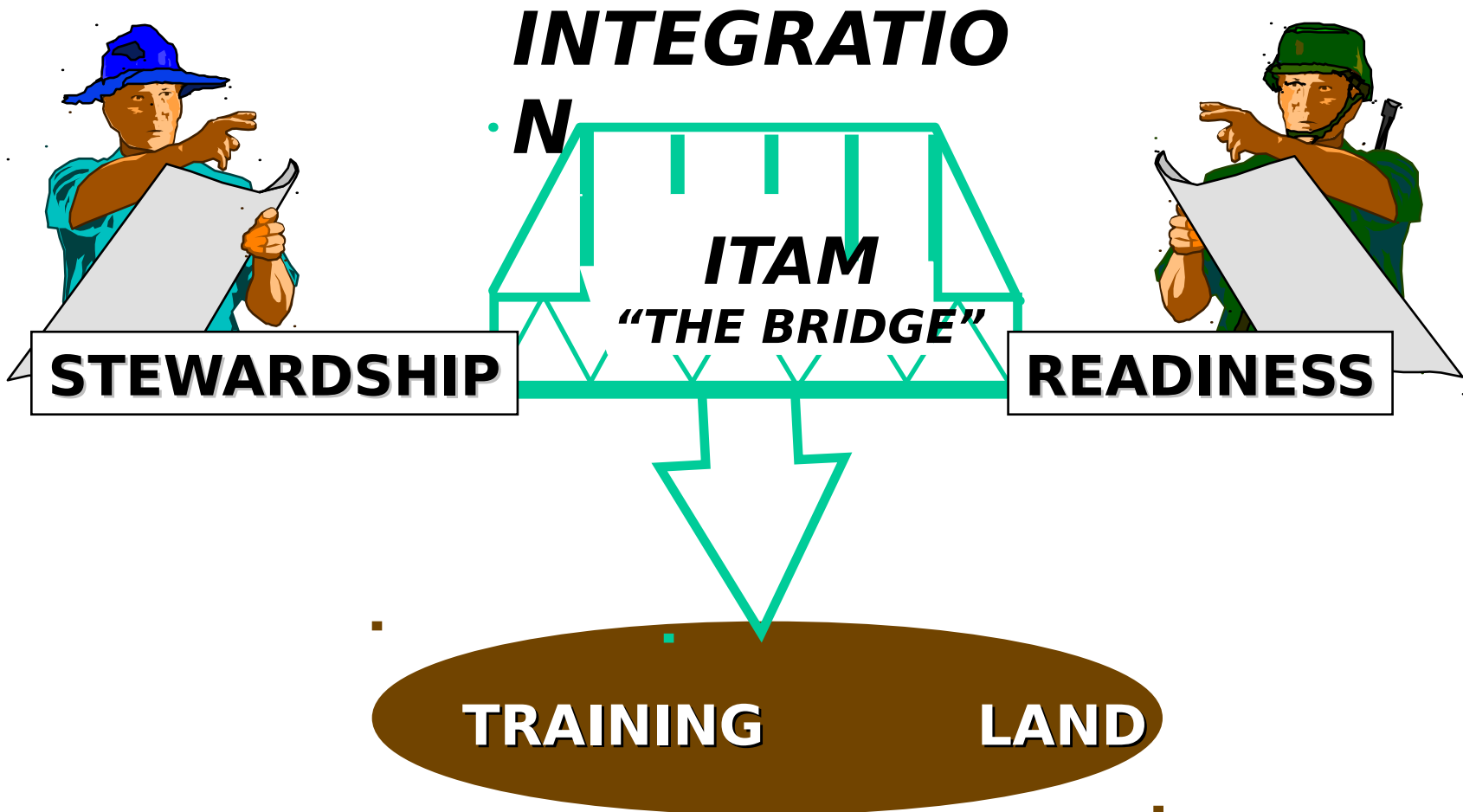


THE MISSION...



IS UNCOMPROMISING !

- ***UNITS MUST MAINTAIN READINESS TO ACCOMPLISH ASSIGNED MISSIONS***
- ***TRAINING IS A KEY MISSION READINESS ENABLER***
 - ***LAND IS AN ESSENTIAL ARMY TRAINING ASSET***
 - ***ITAM SUSTAINS THAT ESSENTIAL ASSET***





4 ITAM Components

1. LAND CONDITION TREND ANALYSIS (LCTA)

2. TRAINING REQUIREMENT INTEGRATION (TRI)

3. ENVIRONMENTAL AWARENESS (EA)

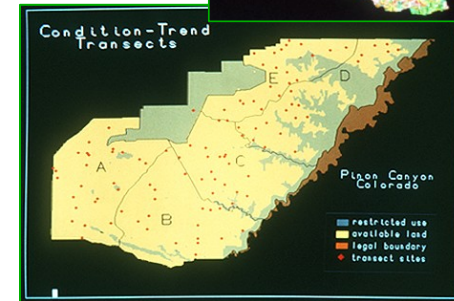
4. LAND REHAB MAINTENANCE (LRAM)



1. LAND CONDITION TREND ANALYSIS (LCTA)

- SURVEY ENVIRONMENTAL CONDITIONS
- MONITOR CHANGES TO THOSE CONDITIONS
- MAP ENVIRONMENTAL & TRAINING DATA

*Using GEOGRAPHIC INFORMATION
(GIS)*



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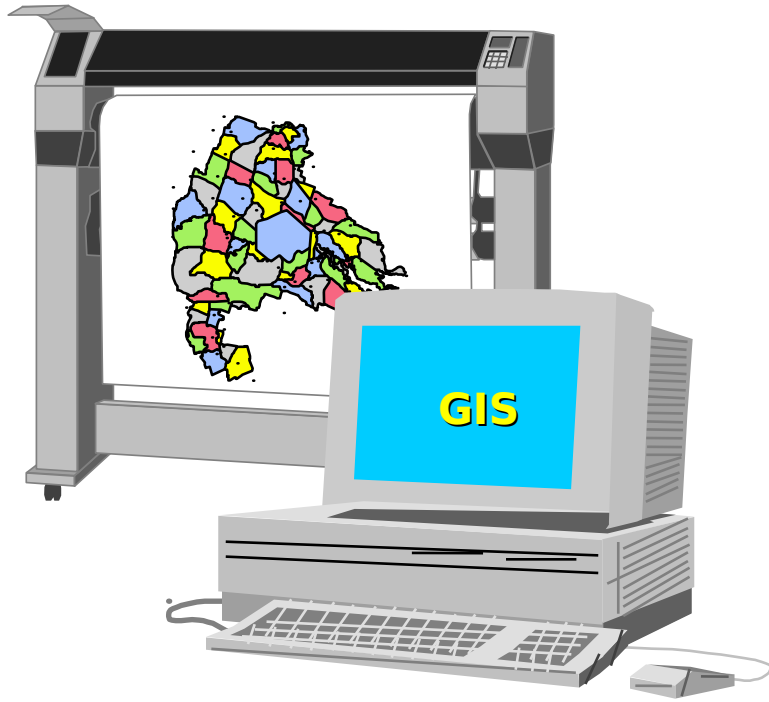


LCTA SPT CONTRACT

- New Support Contract 1 July 2002
 - LCTA Hotline (907) 491-2709
 - Mon - Fri 0830-1630 (MT)
 - LCTA Assistance Visits
 - Camp Shelby, MS
 - Camp Navajo & Florence
 - Fort Harrison & Limestone, MT
 - Additional Requests: NE, MN, TN, IN, PA, SC
- Data Objective Must Be Focused
 - Not for random sampling



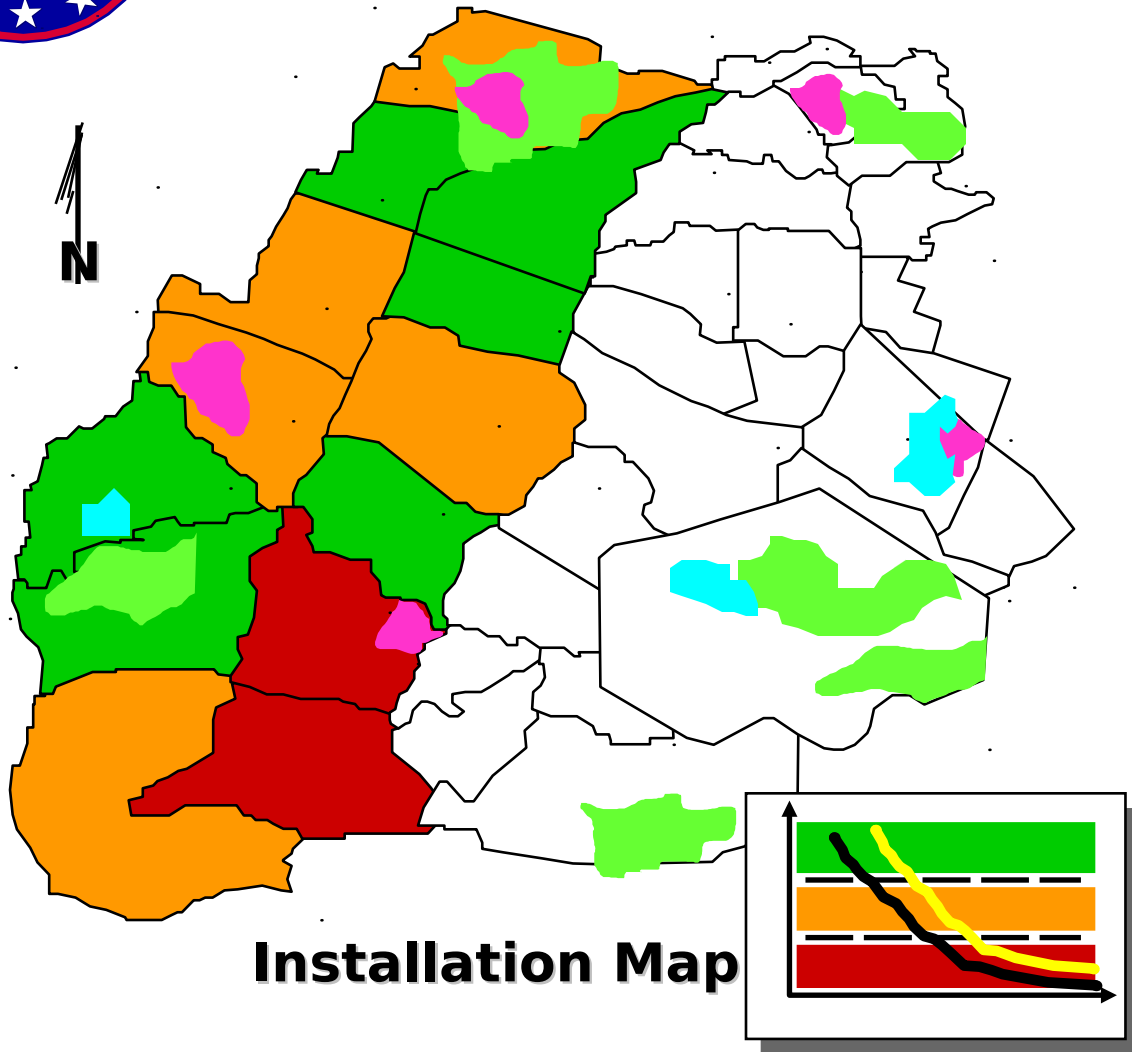
Geographic Information System (GIS)



- ♦ Electronic Map Displays
 - Natural Features
 - Environmental Factors
 - RFMSS Data
 - Carrying Capacity



Geographic Information System (GIS)



Map Layers

- Forest
- Historic
- Vegetation
- TES Habitat
- Wetland
- Roads
- Water
- Elevation
- Electric
- Repair Sites
- RFMSS
- Capacity

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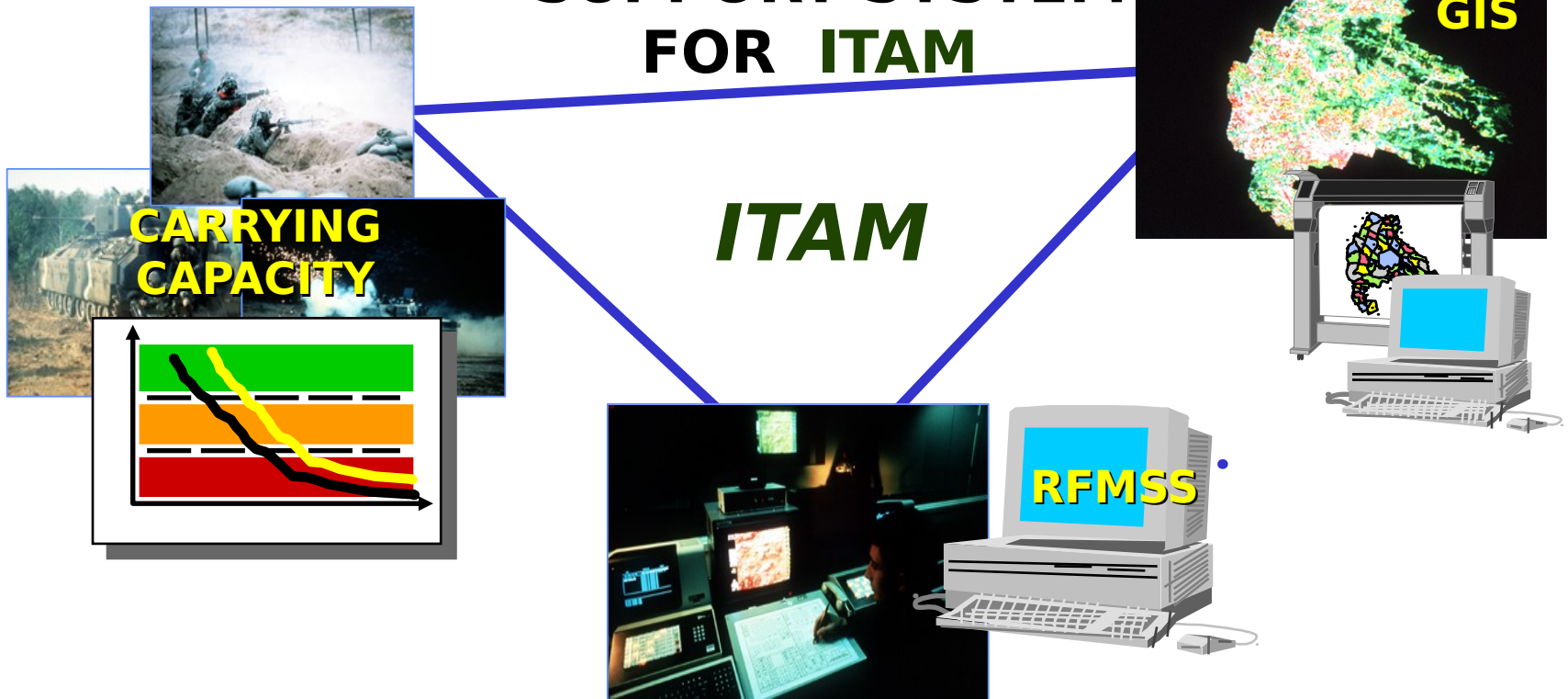
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CARRYING CAPACITY - **RFMSS** - **GIS**

PROVIDE A RESPONSIVE LAND MANAGEMENT SUPPORT SYSTEM FOR **ITAM**





LCM Data Collection Status

Fort Blanding	Complete
Fort Indiantown Gap	Complete
Fort Pickett	Data Received
Fort Chaffee	Data Transfer In Progress
Fort Shelby	Data Transfer In Progress
Fort McClellan (Pelham Range)	No Progress



GIS Tracker Database

- GIS Regional Support Centers (RSCs) track GIS personnel, equipment, data for fully-supported ITAM installations (36 ARNG sites)
- NGB needs to track all ITAM sites (28 partially-supported sites) and all additional States/Territories GIS staff and equipment
- Info is collected by State/Installation personnel in Excel spreadsheet and input into Tracker by RSC or MACOM staff



Requested GIS Tracker info will include:

- GIS personnel - anyone doing GIS (full or part time, Environmental & Training/Range)
- GIS equipment (Computer hardware specifications and software licenses)
- GIS Data Layers (aerial photography, other imagery, geographic data layers)



2. **TRAINING REQUIREMENT INTEGRATION (TRI)**

- KNOW TRAINING REQUIREMENTS FOR LAND & RANGES
- ASSESS LAND CONDITIONS
- SCHEDULE TRAINING EVENTS TO MINIMIZE ENVIRONMENTAL IMPACTS
- LOCATE TRAINING FACILITIES TO MINIMIZE ENVIRONMENTAL IMPACTS



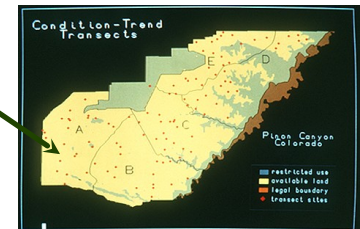
TRAINING REQUIREMENTS



**RANGE
OPERATIONS**



1998						
		1	2	3	4	
5	SCHEDULE					
12						
19	20	21	22	23	24	25
26	27	28	29	30	31	



LOCATE

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MANPOWER

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Old Guys Still Rule





PERSONNEL AUTHORIZED

	Cat I	Cat II	Cat III	Cat IV
ITAM Coord	X	X	X	
LCTA Coord	X	X		
GIS Tech/Mngr	X	X		
LRAM Coord	<u>X</u>	<u>X</u>	—	—
	4	4	1	0
Installations	<u>x 5</u>	<u>x 8</u>	<u>x 25</u>	<u>x 24</u>
Total Pers	77	= 20	+ 32	+ 25
	0			



PERSONNEL COSTS

State Personnel Salary	\$ 50 K
Travel/School	5 K
Automation/Office Equip	3 K (1&5 yrs)
Transportation	<u>? K</u>
Planning Estimate / Hire	\$?
GIS Automation Equip	24 K (1 & 5
yrs) _	



ASSUMPTIONS

- ITAM Personnel Costs will be paid first no matter the budget
- NGB-ARE & T working to increase workers at Training Sites (VENN, TATM, VSCW)
- Possible Central Contracting effort to ensure workers stay on Training Sites (TCAC)
- Training Site will have choice to hire or not
- New hire will not come from current position or environmental staff



INTEGRATION



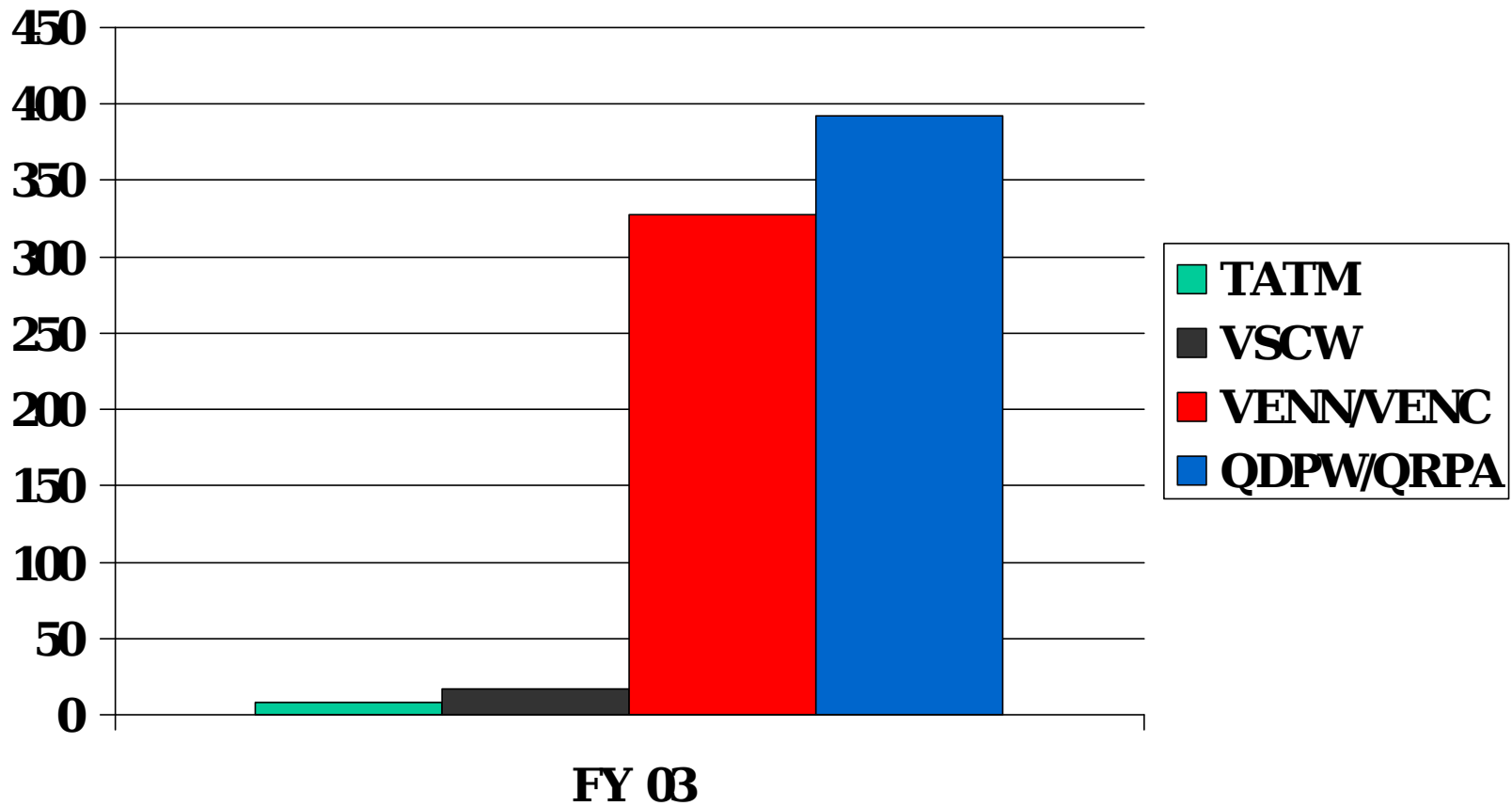
Program Funding

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Funding (Millions \$)	9.428	6.110	8.115	11.112

	FY 2005	FY 2006	FY 2007	FY 2008
Funding (Millions \$)	11.72 0	13.148	14.246	14.761



Integration of Funding



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Training Land Accounts

Name	Div	MDEP	APPN	AMSCO	FY03 \$
ITAM	ART	TATM	2065	121G12.E1-5	\$8.6M
RTLTP	ART	VSCW	2065	121G12C1&2	\$10.2M
Conservation	ARE	VENN	2065	131G53.11	\$27.5
Pol Prevention	ARE	VEPP	2065	131G54.11	\$3.6
Compliance	ARE	VENC	2065	131G56.83	\$139.4
RPOM Repairs Construction	ARI	QRPA	2065	132G76L1	\$ 244M
Grants					
19 Aug 02				NGB-ART-S	42

Ranges
in Army
Installation
Management

+ SAFETY

ACSIM Programs

- *Installation (facilities)*
- *Environment*

+ MUNITIONS
Life-cycle

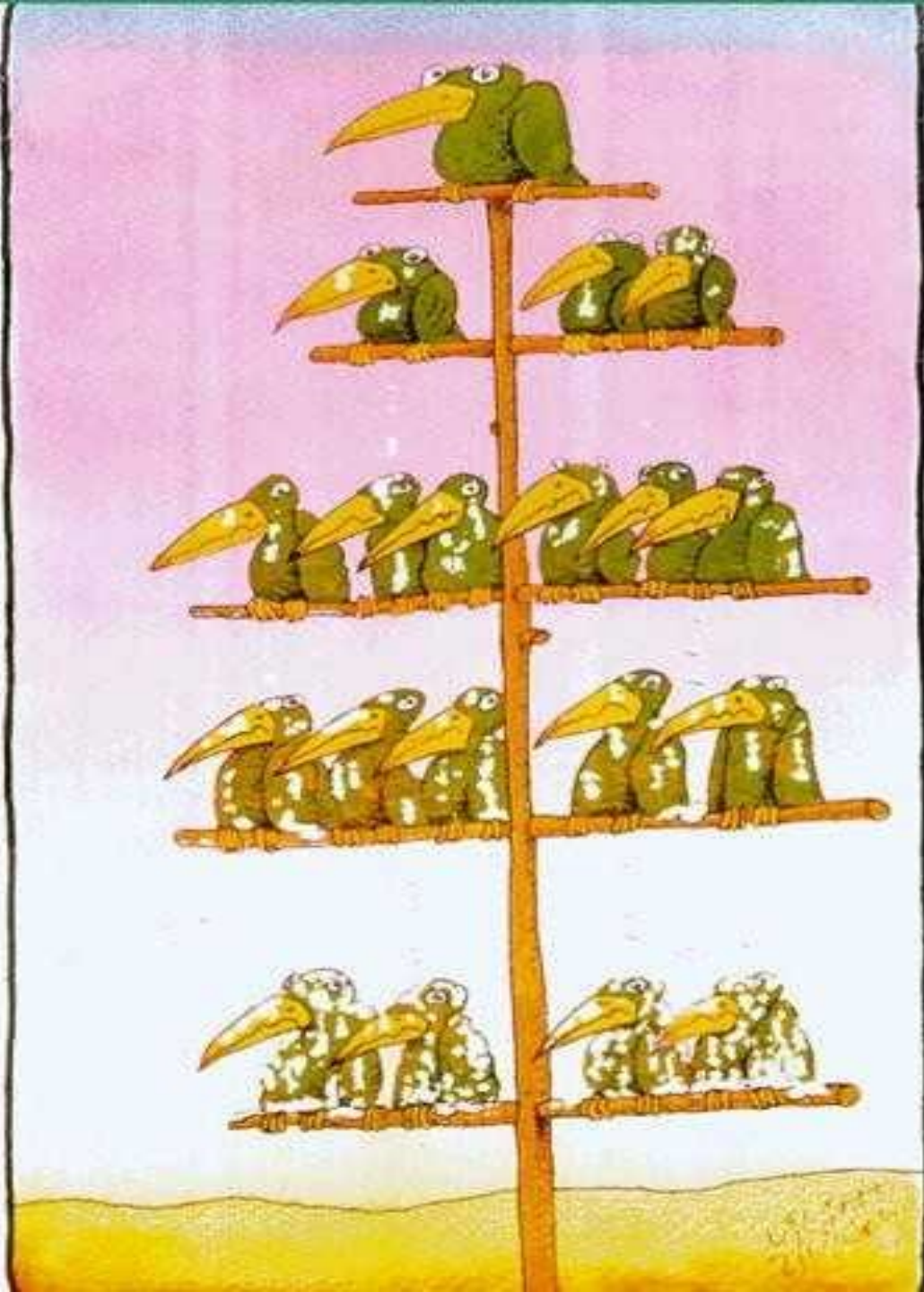
+ WEAPONS
SYSTEM
EMPLOYMENT
IN TRAINING

• *Range & Training Land* DCSOPS “Enabler” Programs

- RTLP - Range & Training Land Program
- ITAM - Integrated Training Area Management



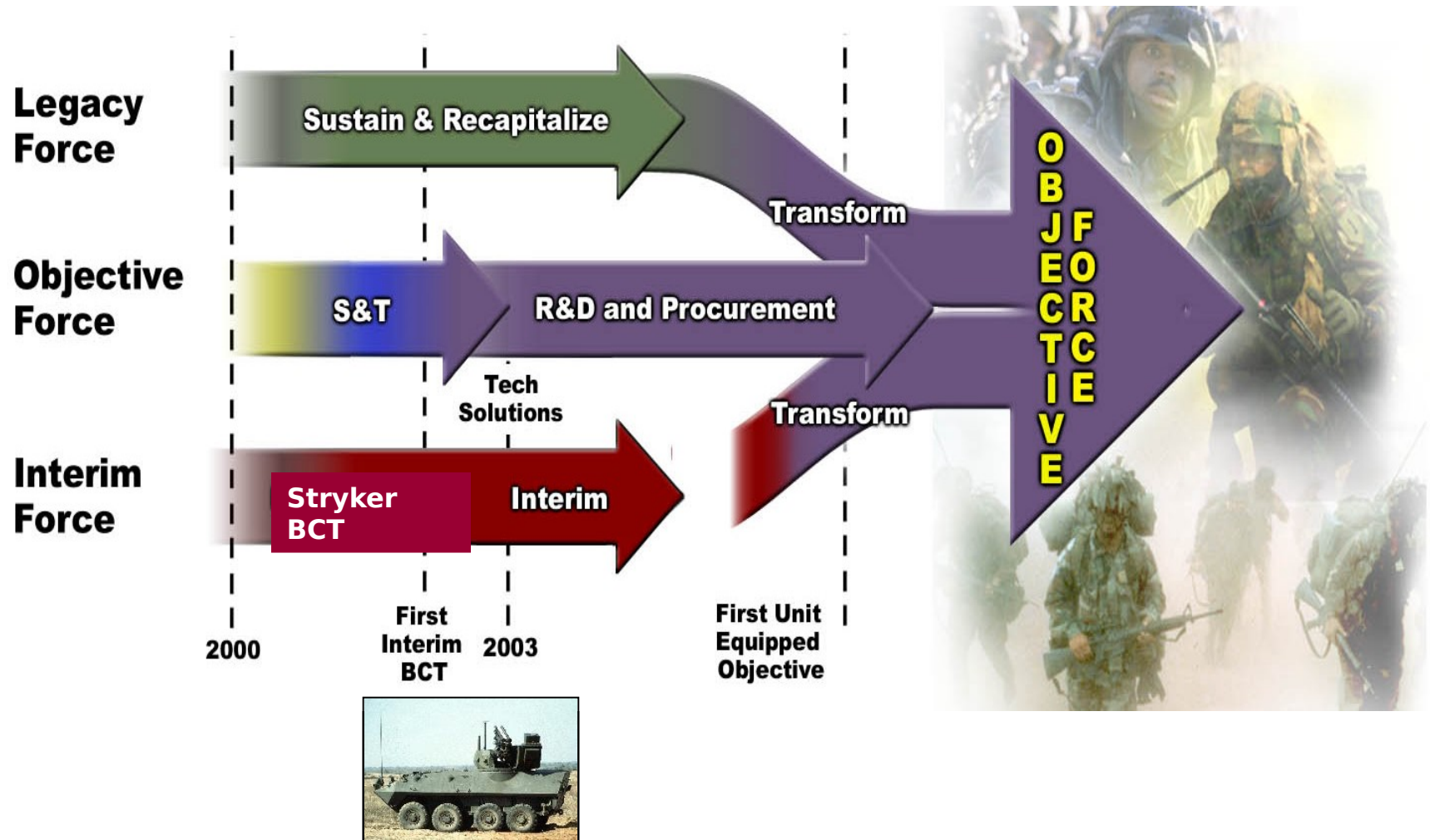
INTEGRATION is the
HARDEST
Thing We Do!



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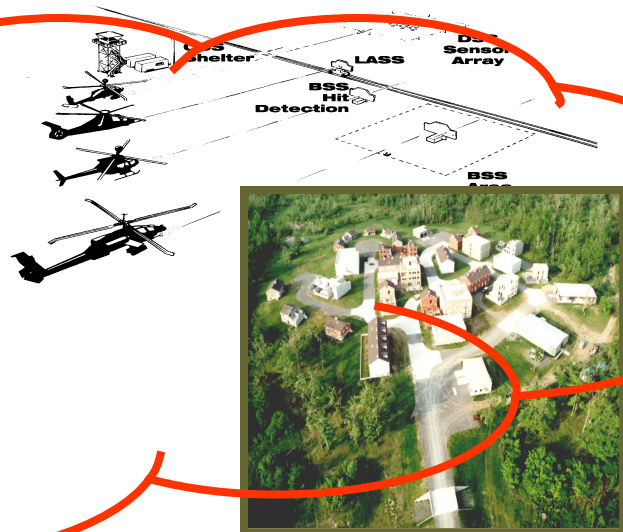
Army Transformation Concept



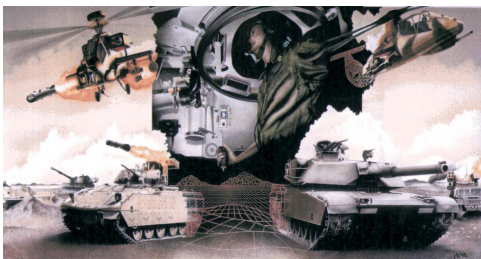


Live Training - On Ranges & Land

Live



Virtual



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Constructive



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....Remains the most critical of Three Training Domains



Unity of Effort/Command

Invasive Specie/Pest Management

AG Lease/Programs

Forestry Plan

T&E Plan

ICRMP

INRMP

ECAS/EQR/EPR

Real Property Management Plan/LURS

Installation Management Plan

Range Development Plan

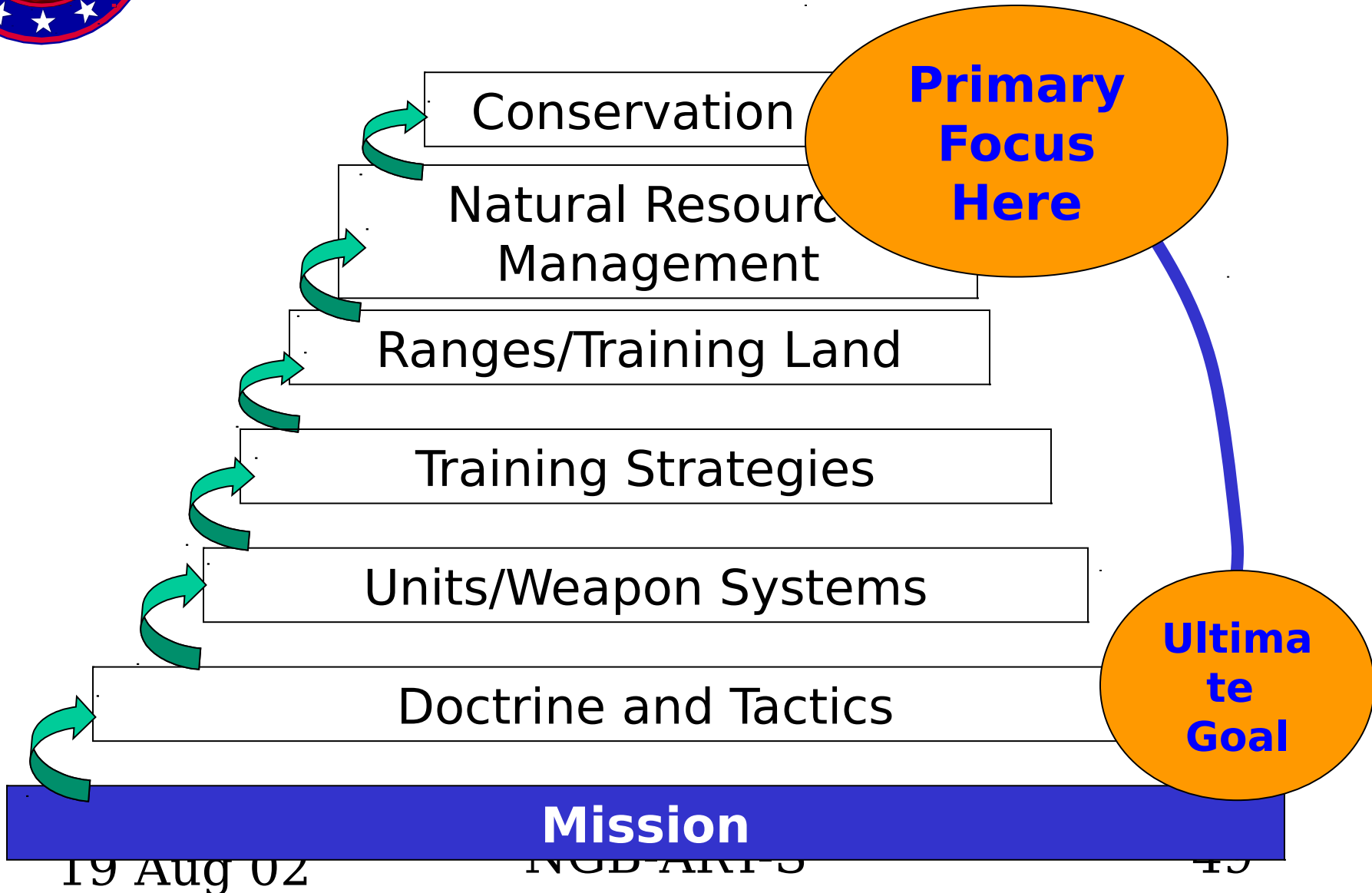
Doctrinal Training Req

Force Structure

STAFF PLANS NEED TO BE TRNG MSN/RDP BASED



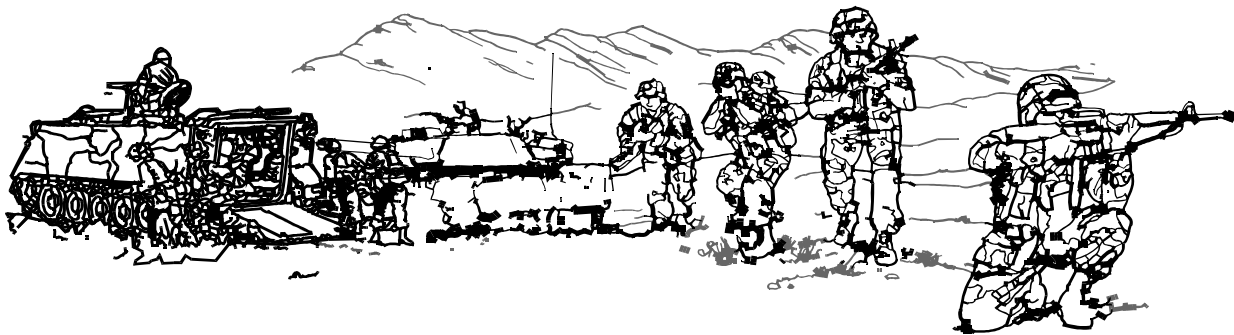
The Army Mission: Foundation for Conservation





ITAM LAND MANAGEMENT TECHNOLOGY

- Training Land Carrying Capacity
- Range Facility Management Support System
- Geographic Information System

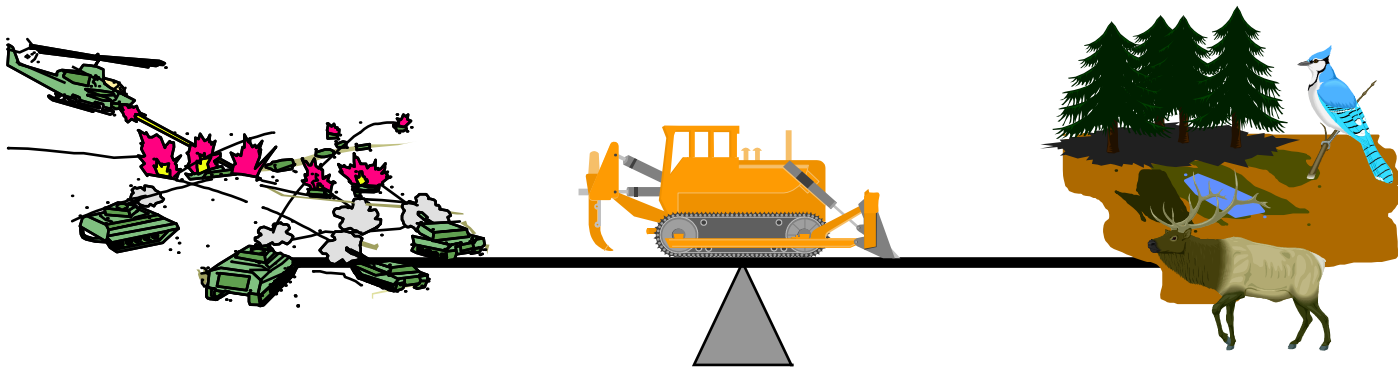




TRAINING LAND CARRYING CAPACITY

THE AMOUNT OF TRAINING WHICH A GIVEN PARCEL OF LAND CAN ACCOMMODATE IN A SUSTAINABLE MANNER.

***A BALANCE OF :
TRAINING USE, MAINTENANCE AND LAND
CONDITION***





Range Facility Management Support System

(RFMSS)

- ◆ Scheduling
- ◆ Management
 - Operations
 - Maintenance



1998						
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



Management Support System (RFMSS)



Tank Company Field Training Exercise

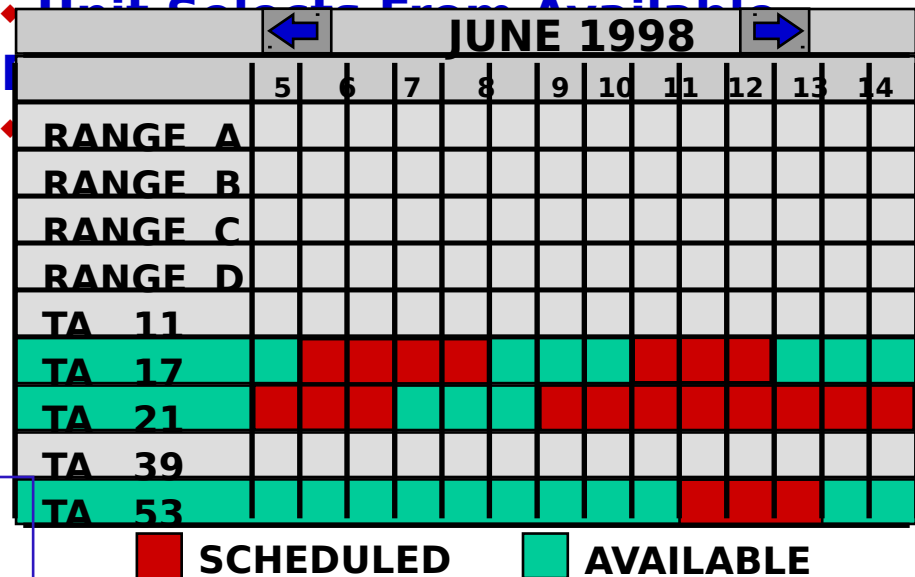
+ Management:

- ◆ Historical Records (Utilization)
- ◆ Reports (Ammunition)

Scheduling a Unit Training Event:

- ◆ Only Approved Areas Displayed
- ◆ Scheduled and Available Days Shown

◆ Unit Select From Available

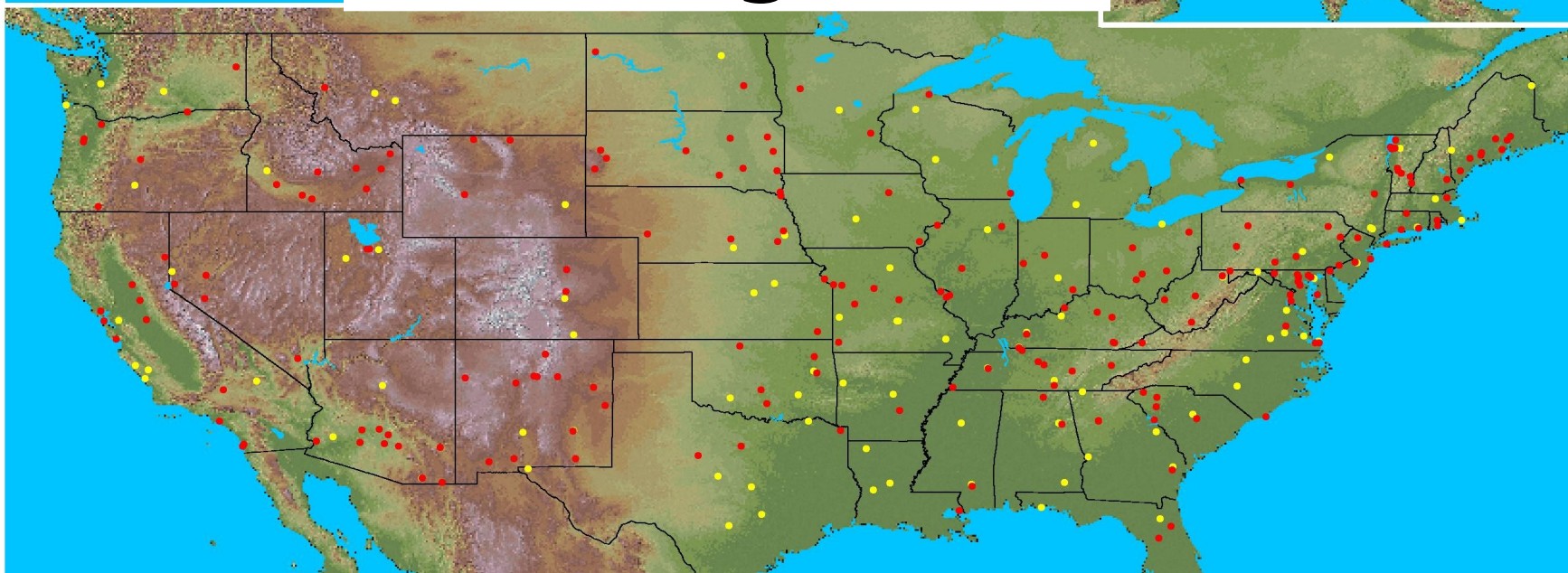
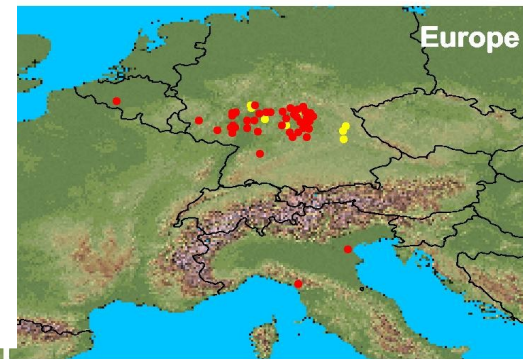
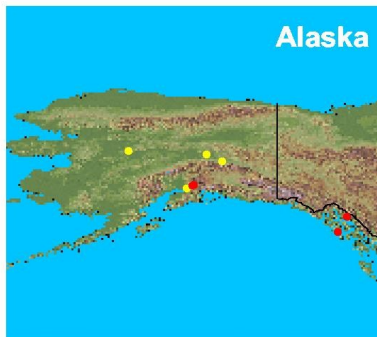




A/I INVENTORY

- Inventory all Active and Inactive Ranges
 - Contract extended one Quarter/Phase
 - Contract ends 30 Sep 02
 - All A/I Ranges have baseline GIS data
 - AEC Maintains Army Range Inventory Database
 - Update update every 5 yrs
- Closed Range Inventory Continues
 - Declaration Window Closes 30 Sep 02
 - POC Mr. Brian Helmlinger, DAMO-TRS

Army Operational Ranges



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Training
Sites



• A/I Installations • ITAM Installations



3. ENVIRONMENTAL AWARENESS (EA)

- PROVIDE COMMAND INFORMATION TO LAND USERS
- REDUCE IMPACTS TO THE ENVIRONMENT
- ELIMINATE AVOIDABLE DAMAGE



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4. LAND REHABILITATION & MAINTENANCE (LRAM)

- REPAIR MANEUVER DAMAGE
- CARRY OUT PROJECTS TO PREVENT DAMAGE
- RECONFIGURE TRAINING AREAS TO SUPPORT
- TRAINING REQ'TS & PREVENT DAMAGE



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ITAM Central Purchases



Gyro Tracs - 2	Skid Mount Pump Units - 10	Bobcat Loaders - 9(1)	
Camp Ripley, MN Fort Indiantown Gap, PA	Ft McLellan, AL Fort Chaffee, AR Camp Roberts, CA Camp Minden, LA Camp Edwards, MA Fort Shelby, MS Camp Grafton, ND Camp Butner, NC Fort Pickett, VA Camp Santiago, PR	Fort Chaffee, AR Camp Obispo, CA Camp Blanding, FL Camp Atterbury, IN Camp Ripley, MN Fort Shelby, MS Camp Gruber, OK Camp Bowie, TX	Fort McLellan, AL Camp Robinson, AR Camp Roberts, CA Wendal Ford, KY (Attachments Only) Bog Brook, ME Limestone Hills, MT McCrady, SC Catoosa, TN



Proposed Dump Truck Central Purchase



2003 Ford F-550 4x4 Dump Truck

- 6.8L diesel engine
- 9,500 lb payload
- 3 yard dump size
- Automatic transmission
- Special traction differential
- All terrain tires

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NGB-ART-S TENTATIVE PLAN

1 Aug 02

Item Name	Program	Original	Subcategory	Draft Priority	Total	Purchase
Disc	ITAM	Yes	LRAM Equipment	3	10	
Dozer (D-4)	ITAM	Yes	LRAM Equipment	4	30	
Dump Truck, Small	ITAM	Yes	Other Vehicles	1	24	YEF/FY03
Fire Management Equip	ITAM	Yes	Fire Management Equipment	2	11	YEF
Gyro Trac	ITAM	Yes	LRAM Equipment	5	4	YEF
Hydro Seeder	ITAM	Yes	LRAM Equipment	2	12	YEF
Mower	RTLP	Yes	Construction/Maint Equipment	3	22	
Mulcher (Straw Blower)	ITAM	Yes	LRAM Equipment	8	8	
Skid Steer Loader	ITAM	Yes	LRAM Equipment	6	11	
Tractor (Small/Med/Large)	RTLP	Yes	Construction/Maint Equipment	3	27	
Grass Seed Drills	ITAM	No	LRAM Equipment	2		YEF
Gators/ATVs	?	No	Maintenance/Operations	?	?	?
3/4 or 1 Ton Pickups	?	Yes	Maintenance/Operations	?	?	?

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ENCROACHMENT

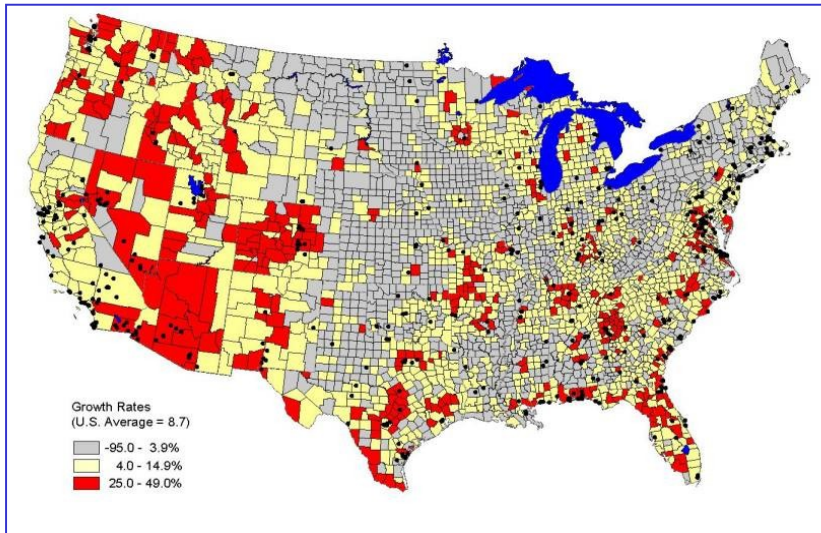
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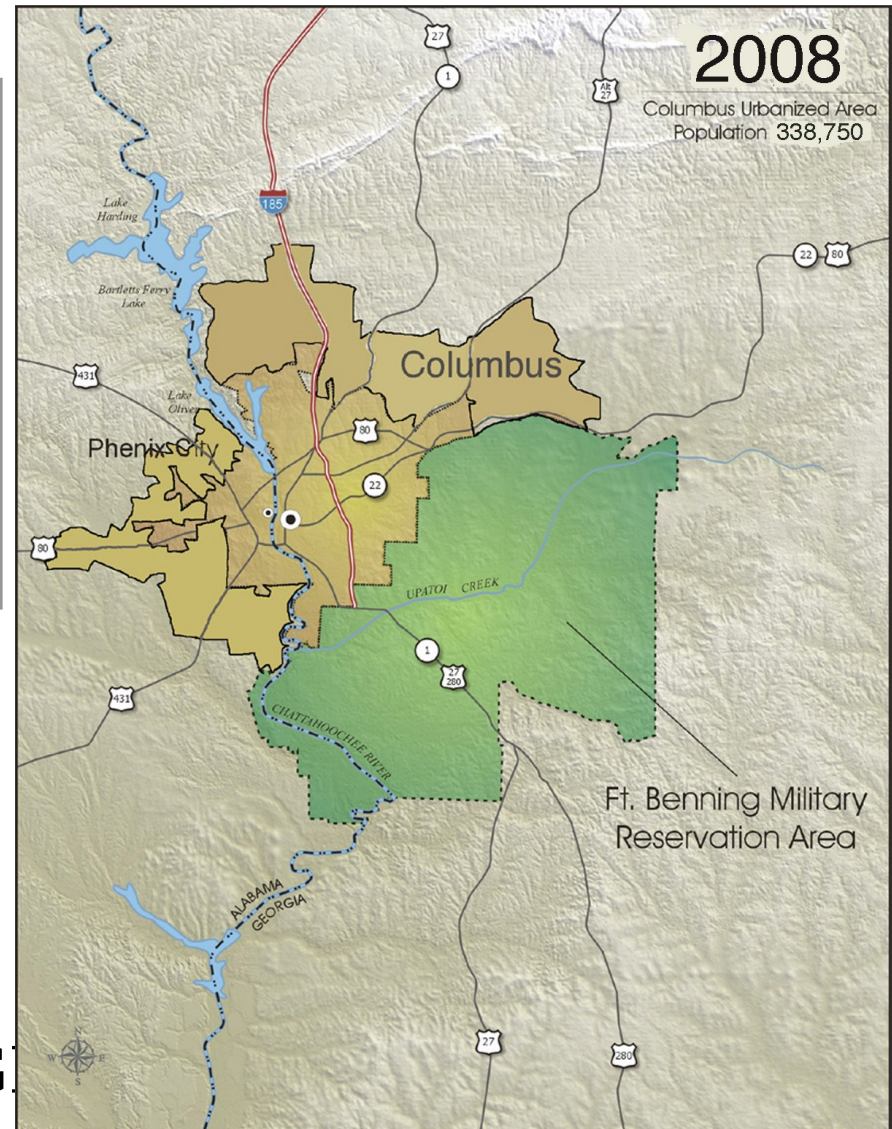
61



Impacts of Urban Growth Fort Benning, GA



County Population Growth Rates
With DOD Installations

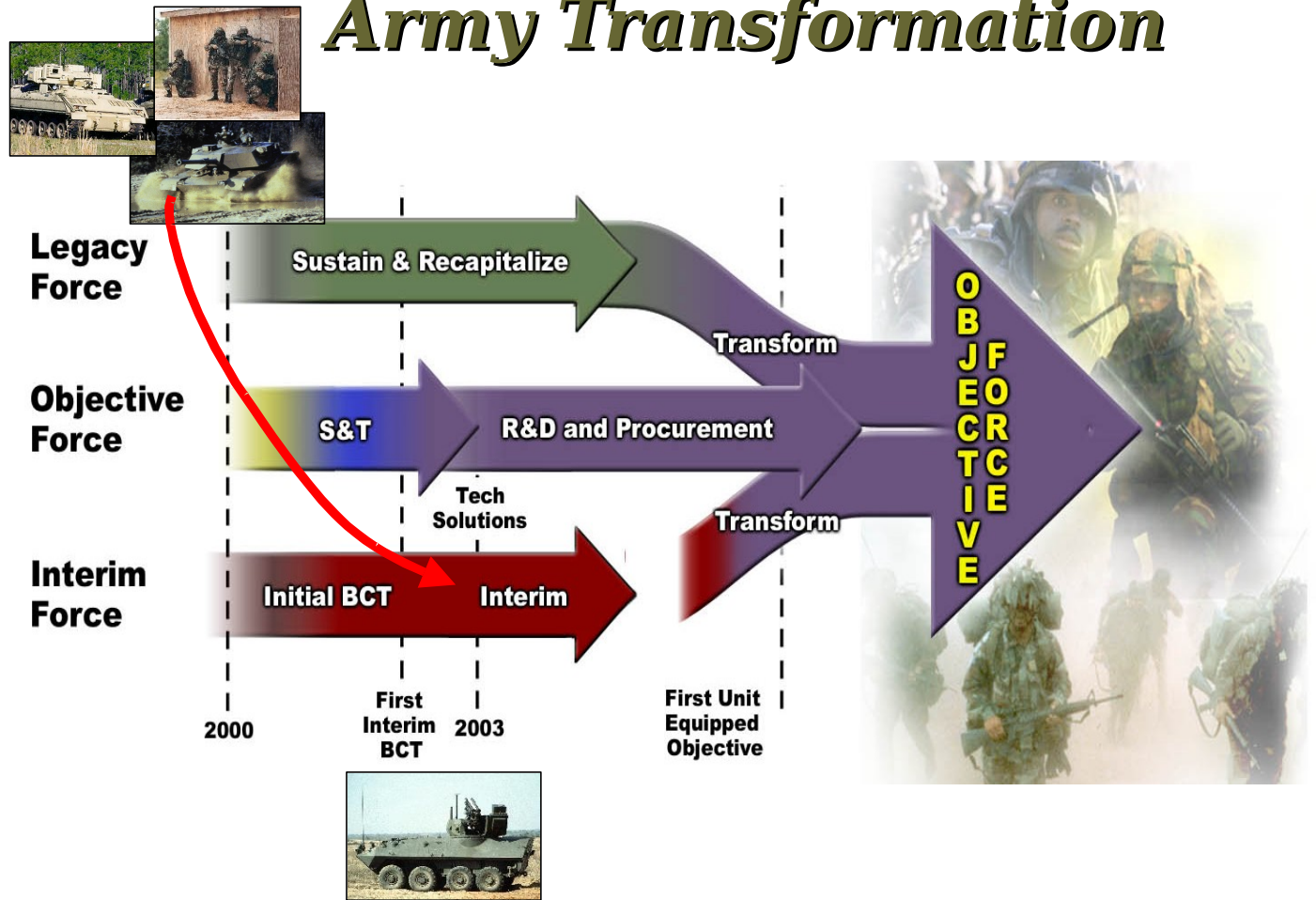


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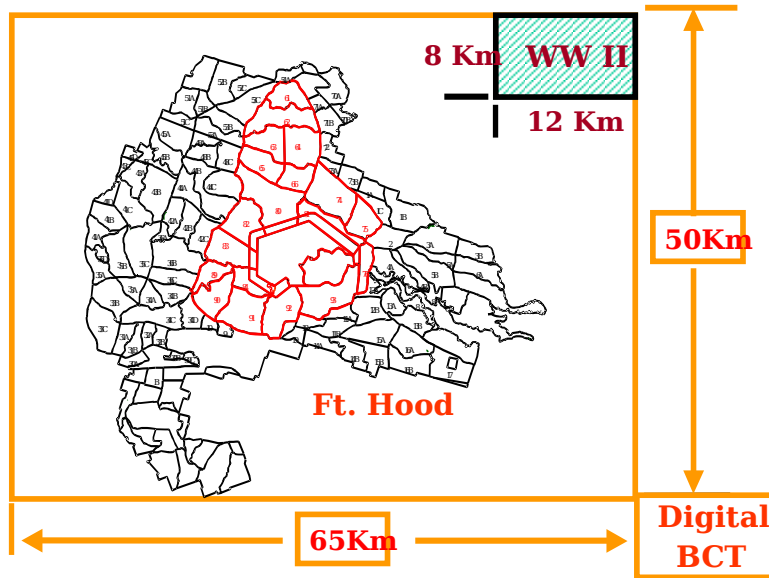
NG



Sustainable Ranges Support Army Transformation



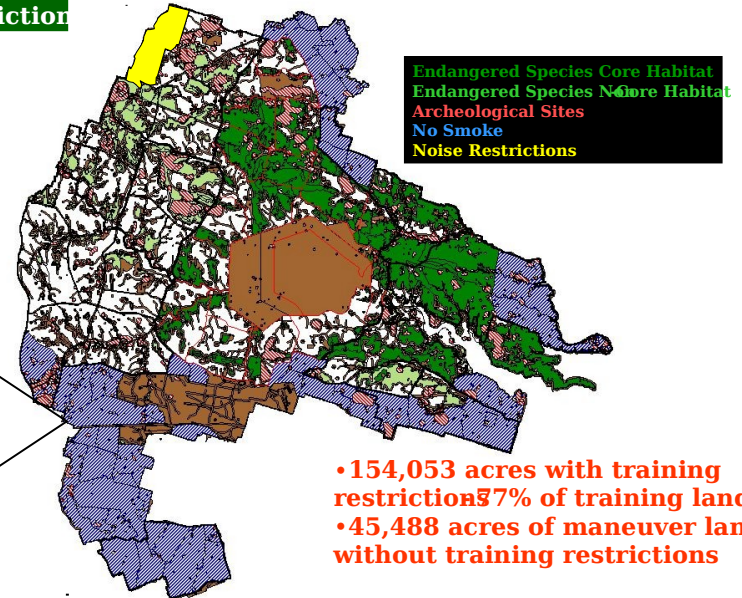
The Brigade Battlefield



Fort Hood

*Increasing Doctrinal
Land Requirements*

Restriction



*Decreasing Land
Assets - Encroachment !*



“Encroachment” of Live Training and Ranges



**SROC: Senior Readiness Oversight
Council**

Public Pressure

Regulator Pressure

SROC Encroachment Issues

Endangered Species/Critical Habitat

UXO (C)

Frequency/Spectrum

Airspace

Air Quality

Airborne Noise

Urban Growth

NGO's

Private Interests

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Sustainable Range Program

Three Tenets:

- Outreach - why we train
- Information Excellence - best data on range
- Integrated Management - multi-discipline

- Ranges as Training Enable



- Ranges as Facilities



*Three
Perspectives*

- Ranges as the Environment



GOAL: Maximize the capability, availability, and accessibility of ranges and training land by minimizing restrictions brought about by external factors.



Army Range Sustainment Integttation Group: Env Issues and Ranges Affected

	Basic Weapons Marksmanship Ranges	Collective Live- Fire/Direct-Fire Gunnery Ranges	Special and Other Live-Fire Ranges	Maneuver Training Areas	Duddled Impact Areas Including Highly Sensitive	Maneuver Training Areas	Duddled Impact Areas Including Highly Sensitive	Non-Duddled Impact Areas	OffPost/Non-DOD Training Lands	Other Specified and Scheduled Non-firing Training Facility/Land
COMPLIANCE ISSUES										
Items: Erosion, Collection of Lead, Soil Composite by Area of Country, Testing of BMPs, Materials, Shape	H, Bullets	H, Bullets	NA	NA	NA	NA	NA	NA	NA	NA
Erosion on Roads and Trails	NA	H	NA	H	NA	H	NA	NA	H	H (AND DROP ZONES)
Dust: Air, Water, Trees	NA	H	H	H	NA	H	NA	NA	H	H
PM2.5/10 from Smokes /Obscurants	NA	NA	NA	H	NA	H	NA	NA	H	H
Tank Hulls, Range Scrap, Lead, Copper	M, Lead	M, Lead	M, Scrap	M->H	H	M->H	H	M, Lead	M->H	M->H
Oil/Gas Spills, Mud Transfer	NA	L	NA	H	NA	H	NA	NA	H	H
Impacts from Urbanization, Noise, Fire	L, H (NGB)	H	H	M->H	M->H (Fire, Noise)	M->H	M->H (Fire, Noise)	L, H (NGB)	M->H	M->H
CLEANUP ISSUES										
Monitoring for Migration of Heavy Metals to Groundwater	M	M	M	NA	M	NA	M	M	NA	NA
Contaminant Migration other than Metal	L	L	M->H	NA	H	NA	H	L	NA	NA
Explosives, Contaminated Soil in Demo Areas	NA	NA	H	NA	NA	NA	NA	NA	NA	NA
Removal of Barrels, Contam. Soil on Hand Grenade Ranges	NA	NA	H	NA	NA	NA	NA	NA	NA	NA
UXO ISSUES										
UXO Detection, Cleanup, Clearance for Existing Ranges	NA	H	H	NA	H	NA	H	NA	NA	NA
UXO Detection, Cleanup, Clearance for Range Design	H	H	H	NA	H	NA	H	H	NA	NA
Maintenance/Clearance UXO in Brush	H	H	H	NA	NA (CTT only)	NA	NA (CTT only)	NA	NA	NA
DESIGN ISSUES										
Env. Compliant Design Worked into Standard Designs	H	H	H	H	H	H	H	H	H	H
Design to Allow Difference in Angle of Fire	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Changing Weapon Systems	M->H (Weapon Dependant)	M->H (Weapon Dependant)	M->H (Weapon Dependant)	M->H (Weapon Dependant)	M->H (Weapon Dependant)	M->H (Weapon Dependant)	M->H (Weapon Dependant)	M->H (Weapon Dependant)	M->H (Weapon Dependant)	M->H (Weapon Dependant)
Durability of Battle Positions	NA	M	NA	NA	NA	NA	NA	NA	NA	NA
Controlling Access	L	L	L	L	H	L	H	L	NA	L
DOCUMENTATION ISSUES										
Supporting Economic Analysis, Manuals, Guidance	H, Easy Access	H, Easy Access	H, Easy Access	H, Easy Access	H, Easy Access	H, Easy Access	H, Easy Access	H, Easy Access	H, Easy Access	H, Easy Access
Central Location for Info across Offices (TC, FM)	H (Not only RDT&E)	H (Not only RDT&E)	H (Not only RDT&E)	H (Not only RDT&E)	H (Not only RDT&E)	H (Not only RDT&E)	H (Not only RDT&E)	H (Not only RDT&E)	H (Not only RDT&E)	H (Not only RDT&E)
Differentiating Sources of Impact (Training)	NA	NA	NA	H	L (Cows)	H	L (Cows)	L	H	H
CONSERVATION ISSUES										
TES Encroachment on Expanding Target Areas	L	M->H	M->H	NA	H	NA	H	L	NA	NA
TES Impacts on Ranges	L	L	L	H	H	H	H	L	H	H
ATTACC-like Model for Munitions Impact based on STRAC	M->H	M->H	M->H	NA	M->H	NA	M->H	M->H	NA	NA
Encroachment onto Wetlands	H (Location Dependant)	H (Location Dependant)	H (Location Dependant)	H (Location Dependant)	H (Location Dependant)	H (Location Dependant)	H (Location Dependant)	H (Location Dependant)	NA by Provision	H (Location Dependant)
Invasive Species	L	L	L	H	NA	H	NA	L	H	H
Impacts of Other Operations (e.g., Forestry)	NA	NA	NA	H	NA	H	NA	NA	H	H
Compaction of Soils Around Hardwood Trees	NA	NA	NA	M->H Site Specific	NA	M->H Site Specific	NA	NA	M->H Site Specific	M->H Site Specific
OTHER ISSUES										
Maintenance - Shutdown Time, Personnel, Dollars	H, Beaten Area	H, Beaten Area	H	H	NA	H	NA	H, Beaten Area	H	H

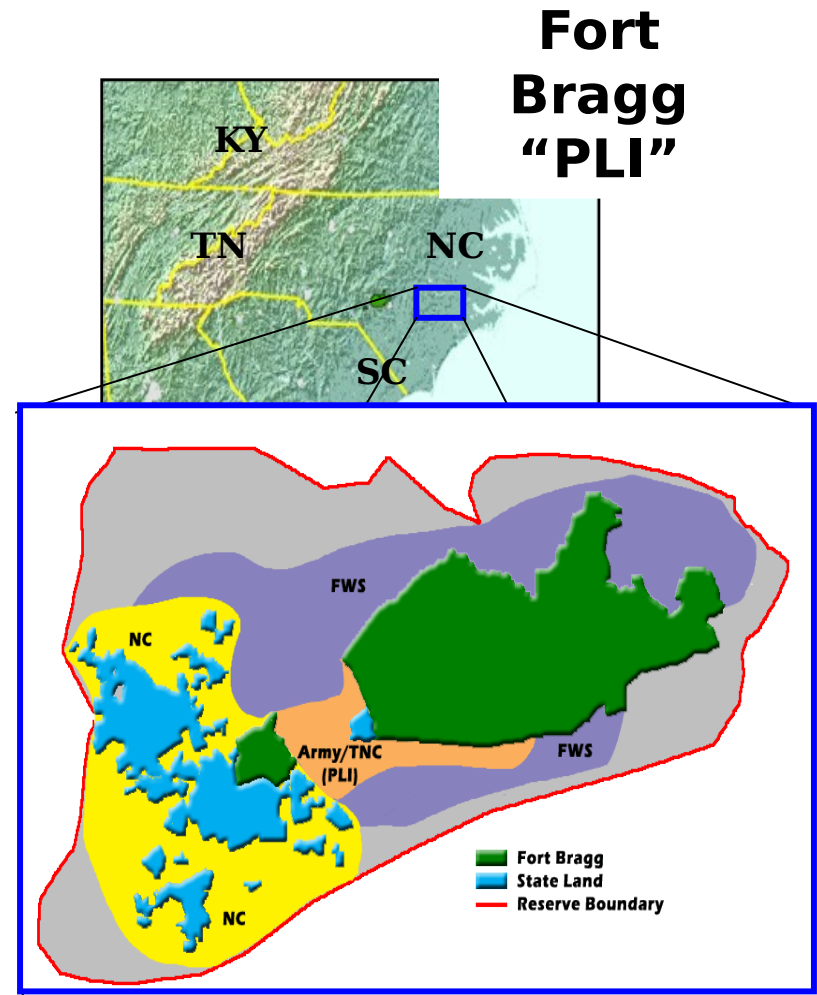


POSSIBLE TRAINING SITE/MANAGER PRIORITIES

Range Sustainment Issue
Environmental compliance worked into standard range designs
Erosion on roads and trails on your ranges and training area
Erosion problem caused by water erosion
UXO clearance on existing ranges
Controlling access to ranges and training areas
UXO detection for planned ranges/range designs
Erosion problem caused by maneuver training
ATTACC-like model for munitions based on STRAC
UXO clearance for planned ranges/range designs
UXO clearance in grassy areas on your ranges
Oil/gas spills on ranges
Range scrap a problem on your ranges

Army Urban Growth Strategy

- Work with Local Communities & NGOs to improve land use planning - Ft Bragg "Private Lands Initiative"
- Study land ownership and land use adjacent to major Army training ranges
 - Identify opportunities for cooperative land use agreements (buffers)
 - Create a strategy for Army-wide application of Fort Bragg "PLI"



Army Live Training, an Environmental Asset

Brett A. Wood^{1,3,4}

Joseph M. Norberg^{2,3,4}

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²Army National Guard ITAM Program Manager

³Center for the Environmental Management of Military Lands (CEMML), Colorado State University, Fort Collins, Colorado

⁴Army National Guard Training Division, Army National Guard Readiness Center, Alexandria, VA

INTRODUCTION

Why do Army training lands maintain a high biological diversity? The obvious explanations that the Army limits human damage to the land by maintaining large areas of undeveloped land cannot explain the biological diversity on Army land. Figure 2 shows that Army lands host more distinct threatened and endangered species compared with other federal landholders, all of which maintain large areas of controlled access land. Something about the Army's unique land use must be responsible for this diversity.

There are several theories that can explain the biological diversity of Army training lands. One theory is the intermediate disturbance hypothesis. This theory suggests that the "highest diversity (of species) is maintained at intermediate scales of disturbance (Connell 1978, Fox 1979) (Figure 3).

By themselves, many Army training activities, such as mechanized training, are likely not moderate. When Army training activities and Army land management programs are taken together, the total impact is likely moderate.

Succession, Disturbance and Biological Diversity Succession is the process by which an area's biological community returns to a stable ecological community. The disturbance can be anything altering the ecological structure of an area. Fire, lightning, storms, vehicle traffic and military camping are examples of natural and manmade disturbances.

Soon after the disturbance, "pioneer" plants that reproduce and mature quickly move in and "colonize" the disturbed area. The colonizing plant species are often considered weeds. The insects and other animals associated with these plants also move into the area.

Gradually, the pioneer species are replaced by larger species that are slower to mature and reproduce. The area eventually reaches a stable climax community which can remain relatively unchanged until another disturbance sets the ecological succession process into motion again. The climax community is often characterized by a few species maintaining their dominance by preventing other species from moving into the area, decreasing biological diversity.

The communities between the pioneer community and the climax community typically contain the highest biological diversity. Niches can overlap since no species has achieved dominant status. This lack of dominance allows new species to move into the community. Remnants of previous succession communities often exist with newly emerging species from later succession stages.

The frequency and severity of disturbances play a role in succession. Frequent or severe disturbances reduce biological diversity by pushing the community to the early stages of succession. Infrequent, weak or no disturbances reduces diversity by allowing a climax community to develop.

According to the intermediate disturbance hypothesis, disturbances of moderate severity and frequency allow the ecological community to remain in the high biological diversity middle stages of succession (Connell 1978, Fox 1979). Whenever Army live training can be shown to be a moderate disturbance, training becomes an environmental asset.



FIGURE 1. The Army Encouraging Biological Diversity! If Army live training coupled with active land management meets the definition of "intermediate disturbance" in the intermediate disturbance hypothesis, Army activities are an environmental asset because they maintain a high biological diversity.

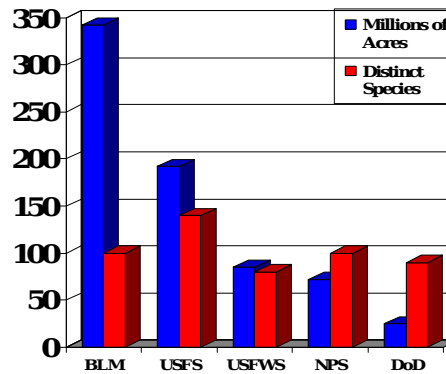


FIGURE 2. The High Concentration of Threatened and Endangered Species on Army Land Suggests Army Activities Provide Environmental Benefits. Adapted from Leslie, et al. and Army Corps of Engineers, 1996.

Army Training as a Moderate Disturbance.

The question coming from using the intermediate disturbance hypothesis to explain biological diversity on Army training lands is whether Army live training and land management practices combined are a moderate disturbance.

A weak disturbance regimen allows the disturbed area to reach a climax community. Land used for live training rarely reaches a stable, climax community. Even when land management practices actively work to mitigate training impacts, training areas rarely achieve an undisturbed state.

Training lands also rarely reach the defoliated state indicating severe disturbance. Defoliated training areas do not provide realistic training environments, are typically in violation of environmental laws and regulations, and are not consistent with the Army's commitment to environmental stewardship.

Since Army training lands rarely reach either succession extreme, it can be assumed that Army training activities and Army land management practices combined create moderate impacts maintaining the high biological diversity middle stages of succession.

Wherever Army training activities and land management practices do create moderate disturbances, the intermediate disturbance hypothesis suggests that Army activities are an environmental asset.

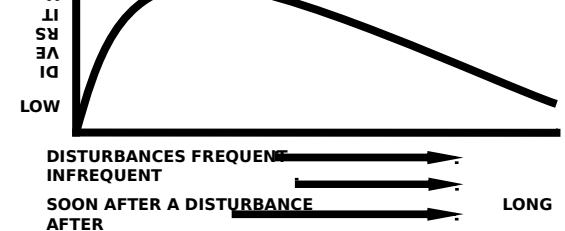


FIGURE 3. The Intermediate Disturbance Hypothesis. The relationship between biological diversity and the frequency of disturbances, the length of the recovery time between disturbances and the magnitude of disturbances (Connell 1978).

LITERATURE CITED

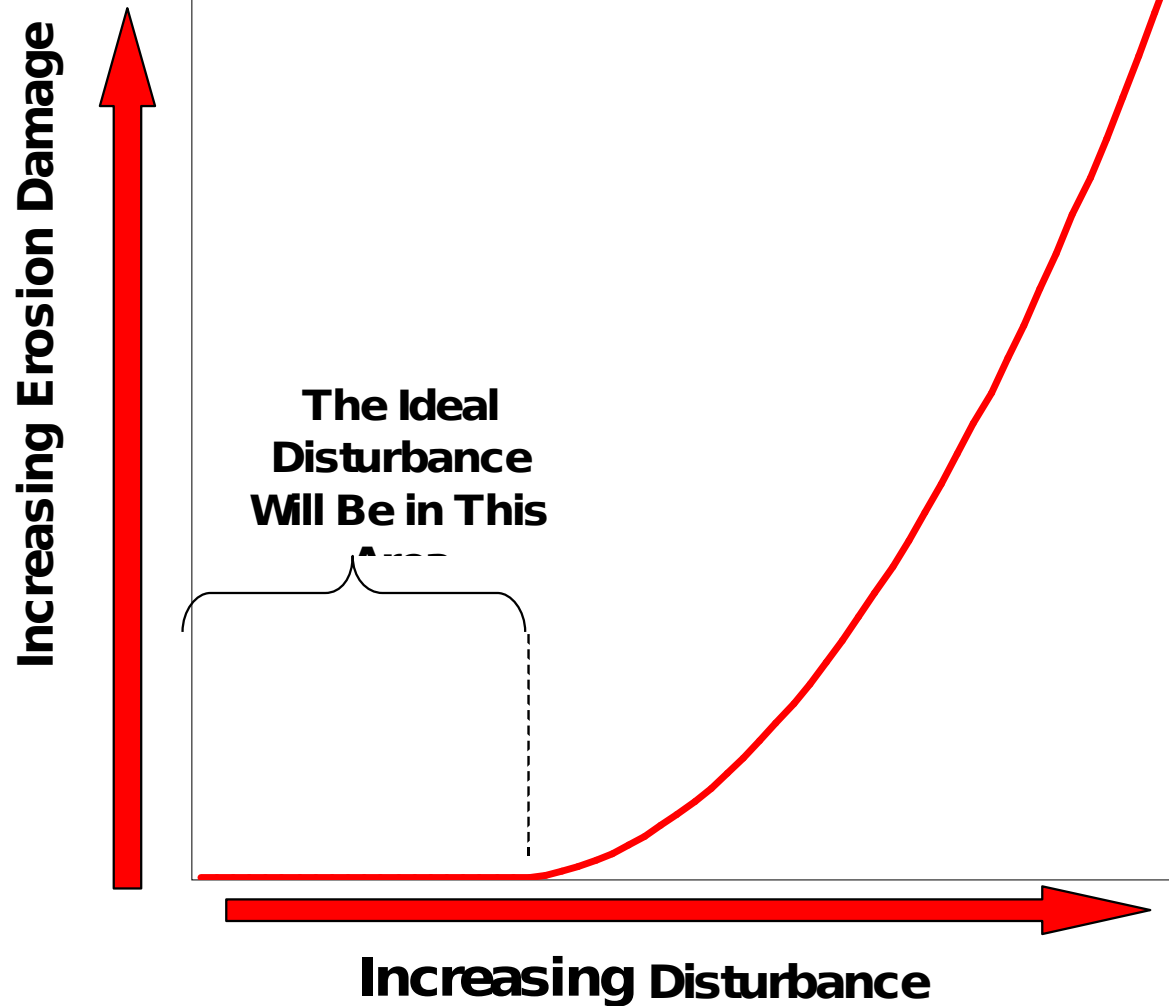
Army Corps of Engineers, 1996. Installation Summaries From the 1996 Survey of Threatened and Endangered Species on Army Lands.

Connell, J. H., 1978. Diversity in Tropical Rain Forests and Coral Reefs. Science 199: 1302-1310.

Fox, J. F., 1979. Intermediate-Disturbance Hypothesis. Science 204: 1344-1345.

Leslie, M., G. K. Meffe, J. L. Hardesty, D. L. Adams, 1996. Conserving Biodiversity on Military Lands. Department of Defense.

Intermediate Disturbance Hypothesis



this hypothesis is applied, the ideal goal of training land rehabilitation is somewhere between no disturbance and the point where erosion becomes a self-



Intermediate Disturbance Hypothesis

Disturbances at intermediate frequency and/or intensity allow for the highest specie richness.

What Does this Hypothesis Mean to ITAM?

1. LCM curves identify training as having a negative effect. Focuses on soil disturbance, not environmental conditions (Biodiversity)
2. Army Live Training, when combined with land management is an



ARMY RANGE PROGRAMS

TIM IMPLICATIONS



TIM Concept

- Establish more direct installation management command & control structure
- Centralize BASOPS based on “Regions”
- Provide equitable “standard services” across ALL installations
- “Unburden” operational commanders – Let them focus on mission
- MACOMs not in DIRECT command & control of installations



TIM Implementation

Approved by SA: 3 OCT 01

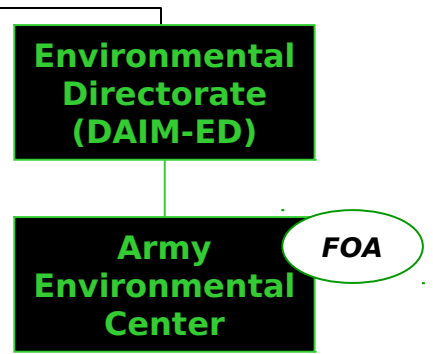
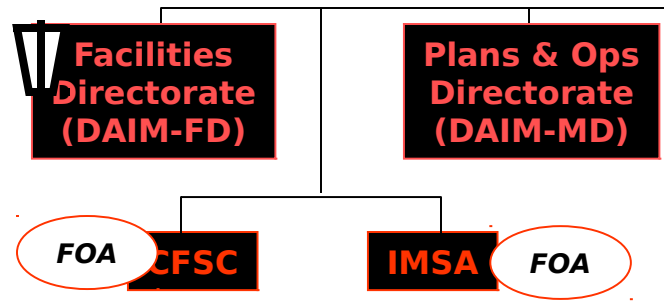
- “Proponents” then brought in to develop the details
- Draft O&O Plans written: DEC 01 – MAR 02
- MACOM TDA Review and adjudication: MAR 02
- Final O&O Plans written & MACOM Review:
(Early Sep 02)
- Implementation Plan to SA: 31 AUG 02

19 Aug 02 NGB ART-S
Implementation: 1 OCT 02



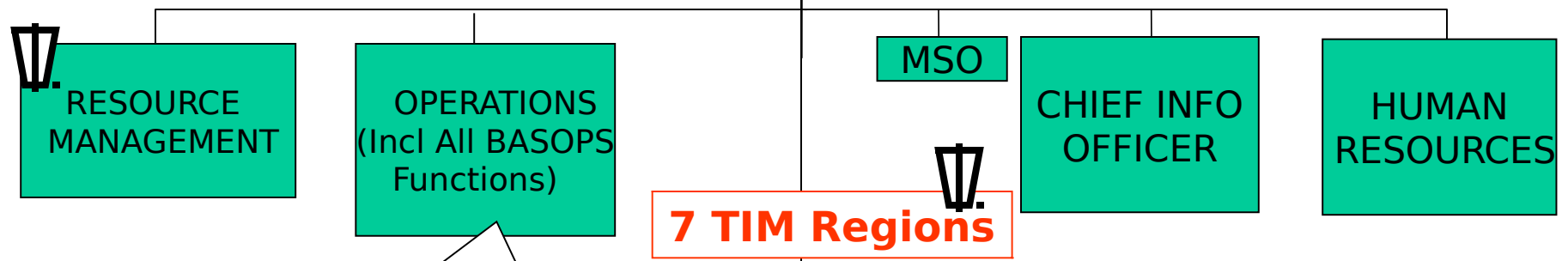
TIM C2

ACSIM ★★
Deputy



Installation Management Agency (IMA)

Director ★★
Deputy



7 TIM Regions

Intended to include all functions
188 Installations



How TIM Affects ARNG?

- Senior Unit Cdr will not control
- The ARNG is a customer (Outside TIM Org)
- Past MDEPs and funding relationships will change (Training, Installation, Logistics, Environmental) will adjust/change over time
- DIR ARNG sits on TIM BOD (Customer)
- Past AC Post organization faces and spaces will change

A bronze statue of a Minuteman soldier, standing and holding a long rifle. He is wearing a tricorn hat and a long coat. The statue is positioned in the center of the image, behind the text.

ITAM

Integrated Training Area Management

QUALITY LANDS, QUALITY SOLDIERS

U.S. ARMY



BACKUP SLIDES



LIVE

Army Training Strategy

VIRTUAL

CONSTRUCTIVE

"TT PEG"

RANGES &
LAND

19 Aug 02

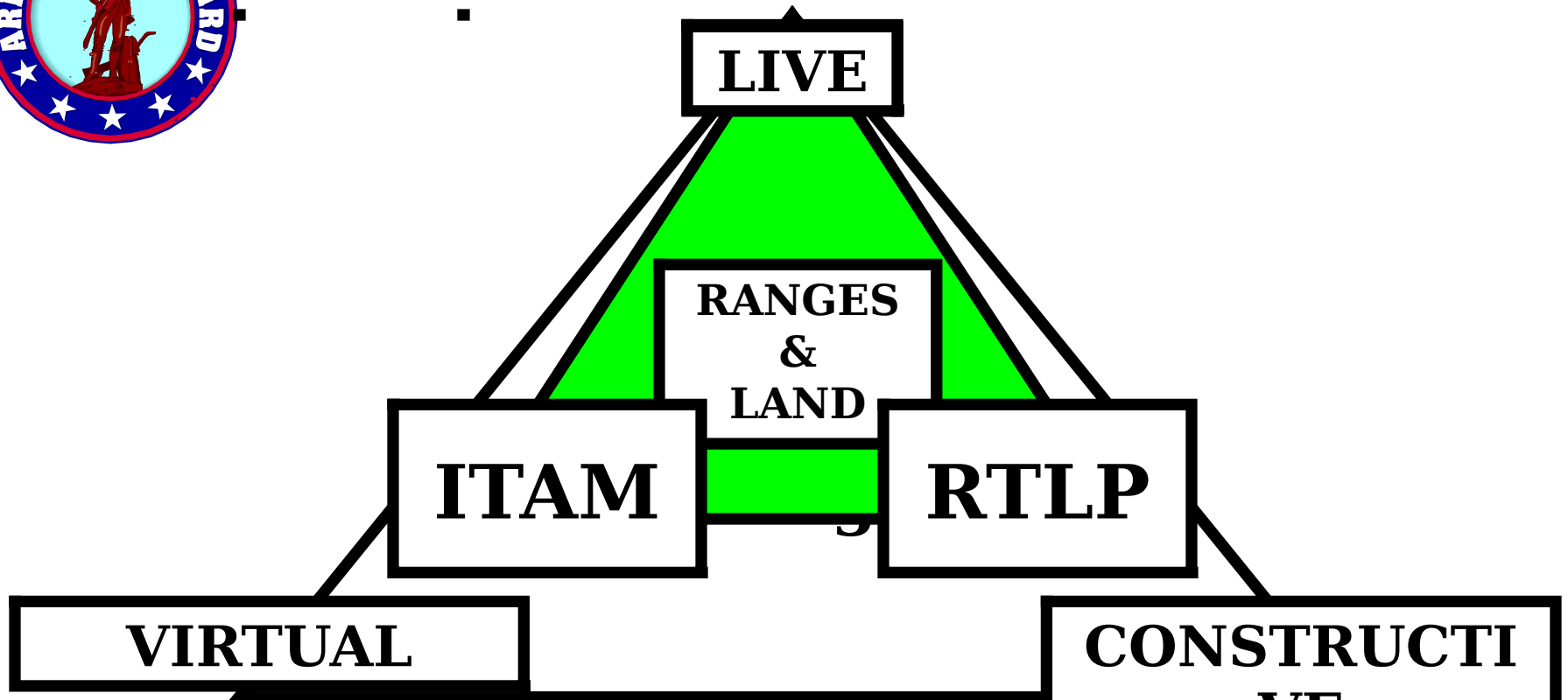
"II PEG"

SRM, COMPLIANCE,
NGB-ART-S
CONSERVATION

"EE PEG"

SYSTEMS TRAINING
DEVICES

81



We must conduct live training events to standard and on ranges built to Army standards to ensure soldier and unit readiness while providing for the stewardship of our

ST	INSTALLATION	CAT	FY 03 PAFG	WAM PROJ ECTS/DESCRIPTION
LA			\$240,000	
	BEAUREGARD	III		LABE-0027 40K, LABE-0029 50K,
	MINDEN	III		LAMI-0027 40K, LAMI-0030 50K,
	VILLERE	IV		LAMI-0032 60K
MA			\$40,000	
	EDWARDS	III		MAED-0126 18K, MAED-0127 7K, MAED-0143 2K, MAED-0105 5K, MAED-0140 8K
MD			\$21,000	
	LIL AARON STRAUS	IV		MDBA-0009 10K, MDBA-0008 1K, MDBA-0012 3K, MDBA-0003 5K, MDBA-0004 2K
ME			\$125,000	
	BOG BROOK/DEEP WOODS	III		MEBB-0017 50K, MEBB-0007 40K, MECL-0003 19K, MECL-0004 16K
	CASWELL/LORING	IV		
MI			\$235,000	
	GRAYLING	II		MIGR-02-34 25K, MIGR-0005 10K, MIGR-0327 50K, MIGR-0325 15K, MIGR-0315 75K,
	CUSTER	III		MICU-0304 18K, MICU-0312 42K
MN			\$410,000	
	RIPLEY	I		MNRI-0315 26K, MNRI-0323 43K, MNRI-0327 159K, MNRI-0303 10K, MNRI-0304 60K, MNRI-0312 5K
				MNRI-0314 2K, MNRI-0305 5K, MNRI-0318 75K, MNRI-0329 25K
MO			\$205,000	
	CROWDER	III		MOCR0010 5K, MOCR0019 10K, MOCR0060 10K, MOCR0063 50K, MOCR0047 15K
	MACON	IV		MOMA0011 20K, MOMA0060 10K,
	WAPPAPELLO	IV		MOVA0002 5K, MOVA0004 15K, MOVA0060 5K, MOVA0067 20K
	CLARK	IV		MOCL0005 15K, MOCL0032 25K
MS			\$524,000	
	SHELBY	I		MSSH-0006 35K, MSSH-0010 62K, MSSH-0012 50K, MSSH-0016 50K, MSSH-0021 200K,
				MSSH-0002 10K, MSSH-0007 14K
	MCCAIN	III		MSMC-0001 75K, MSMC-0002 28K
MT			\$105,000	
	LIMESTONE HILLS	III		MTLI-0301 4K, MTLI-0310 3K, MTLI-0302 7K, MTLI-0314 15K, MTLI-0313 3K, MTLI-0308 13K
				MTLI-0318 5K, MTLI-0306 25K
	HARRISON	IV		MTHA-0301 4K, MTHA-0302 7K, MTHA-0305 10K, MTHA-0307 5K, MTHA-0309 4K
NC			\$21,000	
	BUTNER	IV		NCCB-0025 10K, NCCB-0001 5K, NCCB-0002 5K, NCCB-0005 1K
ND			\$103,000	
	GRAFTON	III		NDGR-0007 32K, NDGR-0012 16K, NDGR-0015 45K, NDGR-0018 5K, NDGR-0008 5K
NE			\$65,000	
	HASTINGS/ASHLAND	IV		NEHACA-0001 47K, NEHA-0004 18K
NH	STRAFFORD LANDING		\$10,000	NHSL-0001 10K
NM			\$75,000	
	CAMEL TRACKS	III		NMCT-0016 30K, NMCT-0010 20K
	ROSSWELL	IV		NMRO-0010 15K, NMRO-0012 10K
NV			\$15,000	
	STEAD	IV		NVST-0001 15K
NY			\$21,000	
	SMITH	IV		NYSM-0012 10K, NYSM-0015 11K
OH			\$103,000	
	REVENNA TNG/LOG SITE(Perry)	III		OHCPR-0403 50K, OHCP-0103 2K, OHCPR-0803 31K, OHCPR-1103 10K, OHCPR-1203 10K

ST	INSTALLATION	CAT	FY 03 PAFG	IWAM PROJ ECTS/DESCRIPTION
OK			\$195,000	
	GRUBER	II		OKGR-001 55K, OKGR-036 25K, OKGR-012 70K, OKGR-058 10K, OKGR-060 7K, OKGR-026 3K,
				OKGR-024 25K
OR			\$206,000	
	CENTRAL OREGON	III		ORBI-0001 10K, ORBI-0004 5K, ORBI-0005 25K, ORBI-0002 30K, ORBI-0009 10K, ORBI-0010 23K
	RILEA	III		ORRI-0001 25K, ORRIAD-01 10K, ORRI-0012 20K, ORRI-0017 15K, ORRI-0007 33K
PA			\$270,000	
	INDIANTOWN GAP	II		PAIN-0333 85K, PAIN-0340 55K, PAIN-0351 70K, PAIN-0308 30K, PAIN-0310 30K
PR			\$73,000	
	SANTIAGO	III		PRSA-0010 50K, PRSA-0011 23K
SC			\$95,000	
	MCCRADY (Leesburg)	III		SCLE-030019 50K, SCLE-0021 45K
TN			\$63,000	
	CATOOSA	IV		TNCA-0302 21K
	MILAN	IV		TNMI-0301 10K, TNMI-0302 5K, TNMI-0303 6K
	TULLAHOMA	IV		TNTU-0301 21K
TX			\$195,000	
	BOWME	III		TXBO-0301 15K, TXBO-0303 8K, TXBO-0305 30K, TXBO-0307 2K, TXBO-0312 35K, TXBO-0326 32K
	MAXEY	IV		TXMA-0301 21K
	SWIFT	IV		TXSW-0301 3K, TXSW-0305 5K, TXSW-0303 23K
	WOLTERS	IV		TXWO-0302 21K
UT			\$95,000	
	WILLIAMS	III		UTWI-0001 30K, UTWI-0002 31K, UTWI-0012 34K
VA			\$445,000	
	PICKETT	I		VAPI-0017 150K, VAPI-0045 10K, VAPI-0046 15K, VAPI-0019 60K, VAPI-0014 30K, VAPI-0015 4K,
				VAPI-0033 4K, VAPI-0039 73K, VAPI-0072 70K, VAPI-0002 20K, VAPI-0024 9K
VT			\$85,000	
	E. ALLEN	III		VTET-0002 20K, VTET-0014 17K, VTET-0022 10K, VTET-0025 5K, VTET-0030 5K, VTET-0004 6K
				VTET-0032 10K, VTETCJ -0036 6K, VTET-0020 6K,
WM			\$16,000	
	WISMER	IV		WVW-0014 10K, WVWMA-0014 5K, WVW-0013 1K
WW			\$105,000	
	DAWSON	III		WVDA-0004 95K, WVDA-0006 9K, WVDA-0018 1K
WY			\$103,000	
	GUERNSEY	III		WYGU-LRAM5 22K, WYGU-LRAM4 81K
	TOTAL 03 APPN		\$6,638,974	(Cat I \$25K; Cat II \$20K; Cat III \$15K; Cat IV \$10K more than FY02 Distribution)



RSIG Mission Weighting

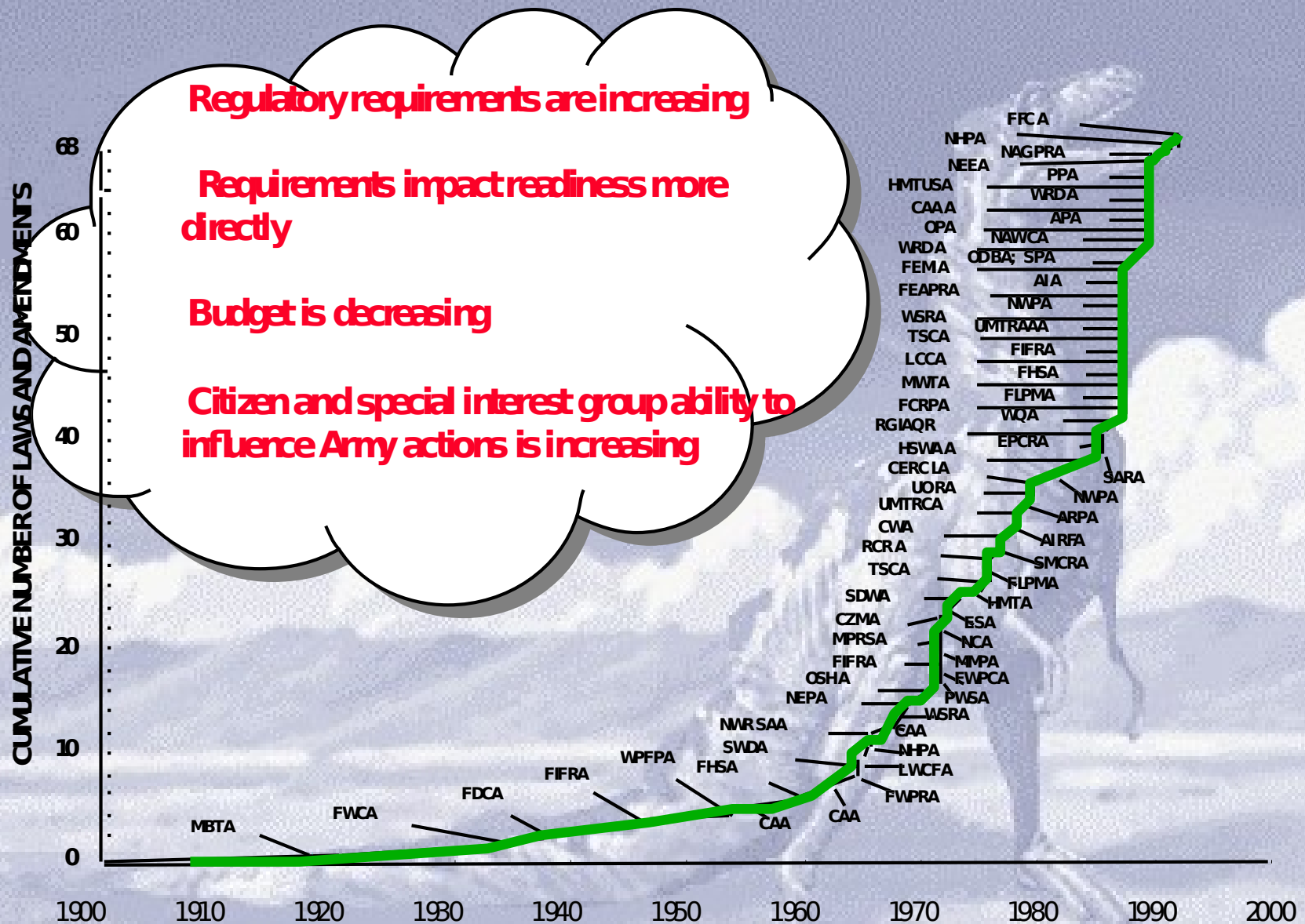
	MANEUVER IMPACT		TNG & TESTING LAND COMPLEX		MUNITIONS EXP- ENDED	AVER PERCENT	RSIG WEIGHT
MACOM	MIMs	Percent	K ACRES	Percent	Percent		
ATEC	300	0.0%	4,070.0	34.9%	0.0%	11.6%	9
FC	3,698,755	42.0%	2,219.9	19.0%	40.3%	33.8%	30
NGB	2,815,838	32.0%	1,281.3	11.0%	18.6%	20.5%	20
TR	625,687	7.1%	1,616.0	13.9%	17.4%	12.8%	10
PAC	91,386	1.0%	1,788.1	15.3%	4.2%	6.9%	7
EUR	795,274	9.0%	124.2	1.1%	13.0%	7.7%	8
AMC	9,276	0.1%	132.0	1.1%	0.0%	0.4%	1
EUSA	360,470	4.1%	47.1	0.4%	4.9%	3.1%	2
MDW	14,045	0.2%	75.9	0.7%	0.2%	0.3%	1
MEDCOM	3,384	0.0%	32.3	0.3%	0.2%	0.2%	1
USARC	383,471	4.4%	259.1	2.2%	1.3%	2.6%	2
USMA	575	0.0%	12.4	0.1%	0.0%	0.0%	0
Sub-Totals	771,220	8.8%	558.8	4.8%	6.6%	6.7%	7
Total	8,798,462	100%	11,658.3	100%	100%		94

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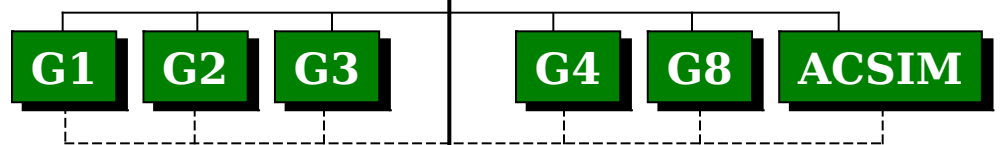
Environmental Legislation & Interest





TODAY

CSA



↑ PROGRAMS & POLICIES
↓ OPERATIONS

MACOM

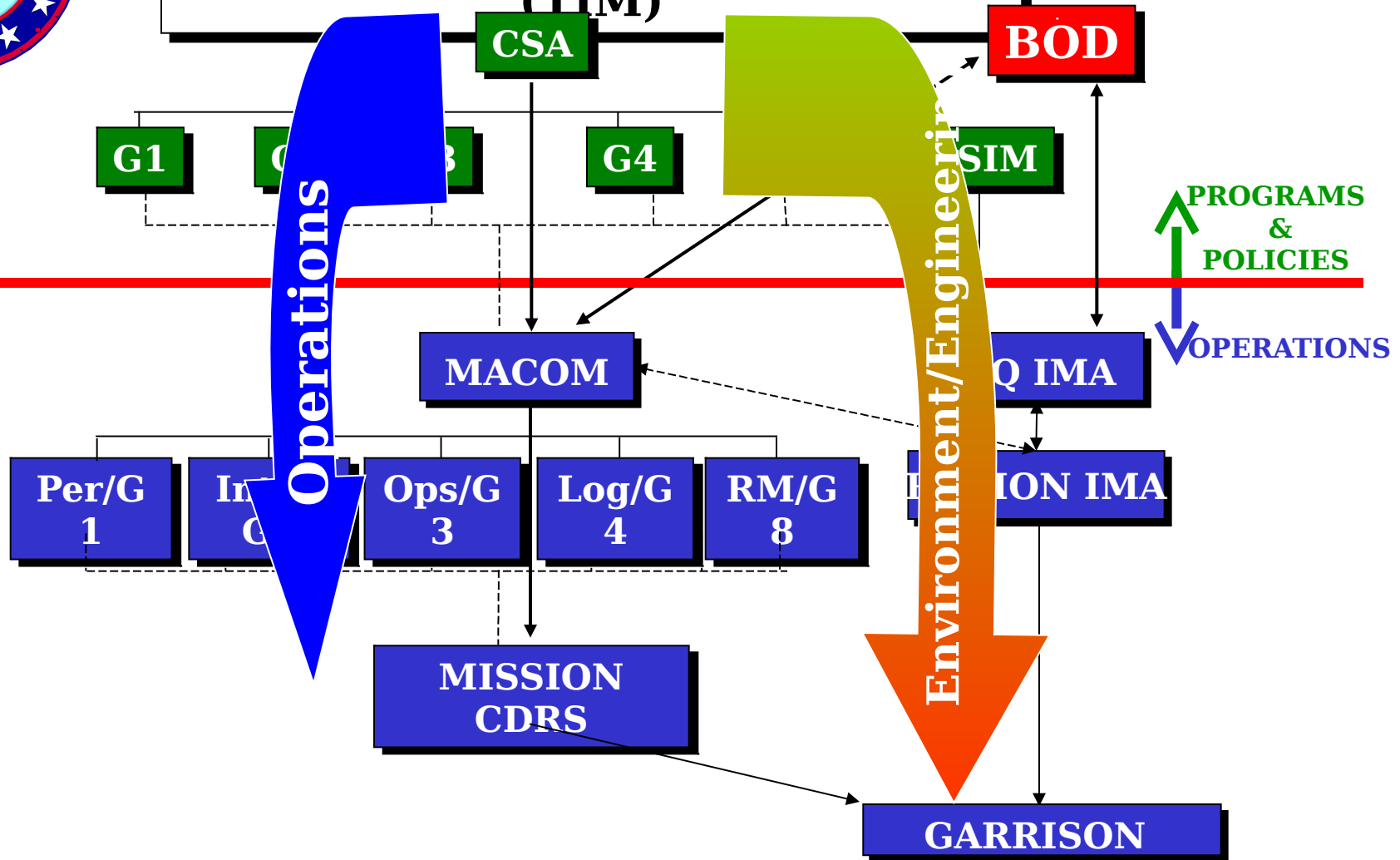


INSTALLATION
COMMANDER

GARRISON



Transformed Installation Management (TIM)





Installation Workplan Analysis Module IWAM

Monday, 19 Aug 02

Savannah Room C

1300-1700



IWAM AGENDA

1300-1310 Brief Overview of IWAM

1310-1315 Discuss Objective of Workshop

1315- 1320 Discuss Examples in Appdx G & H

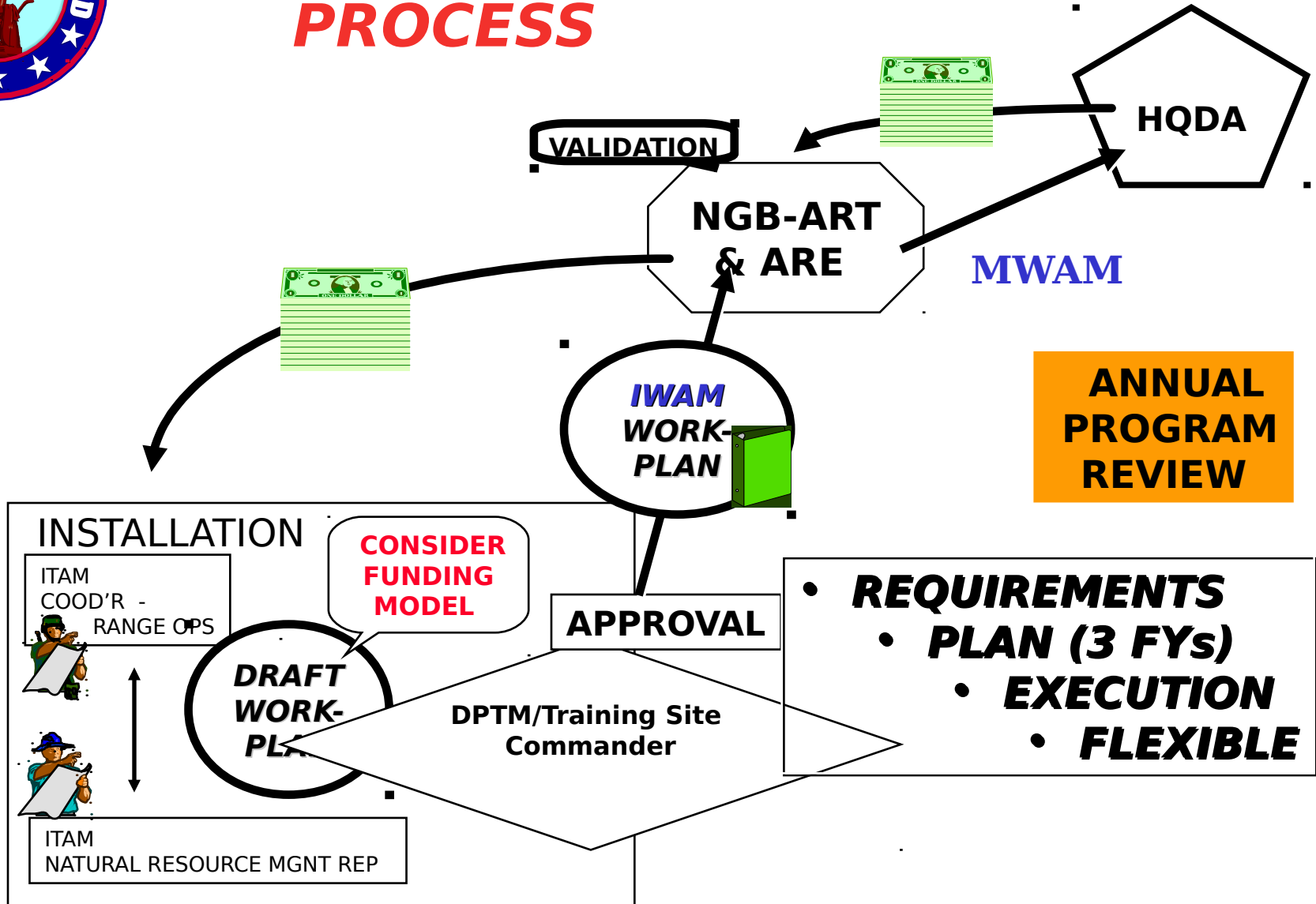
1320-1345 Discuss IWAM Technical
Challenges and Solutions

1345-1400 Fix Computer Problems

1400-1700 Develop on Individual Training Site
Workplans (On the Spot Validation)



WORKPLAN PROCESS



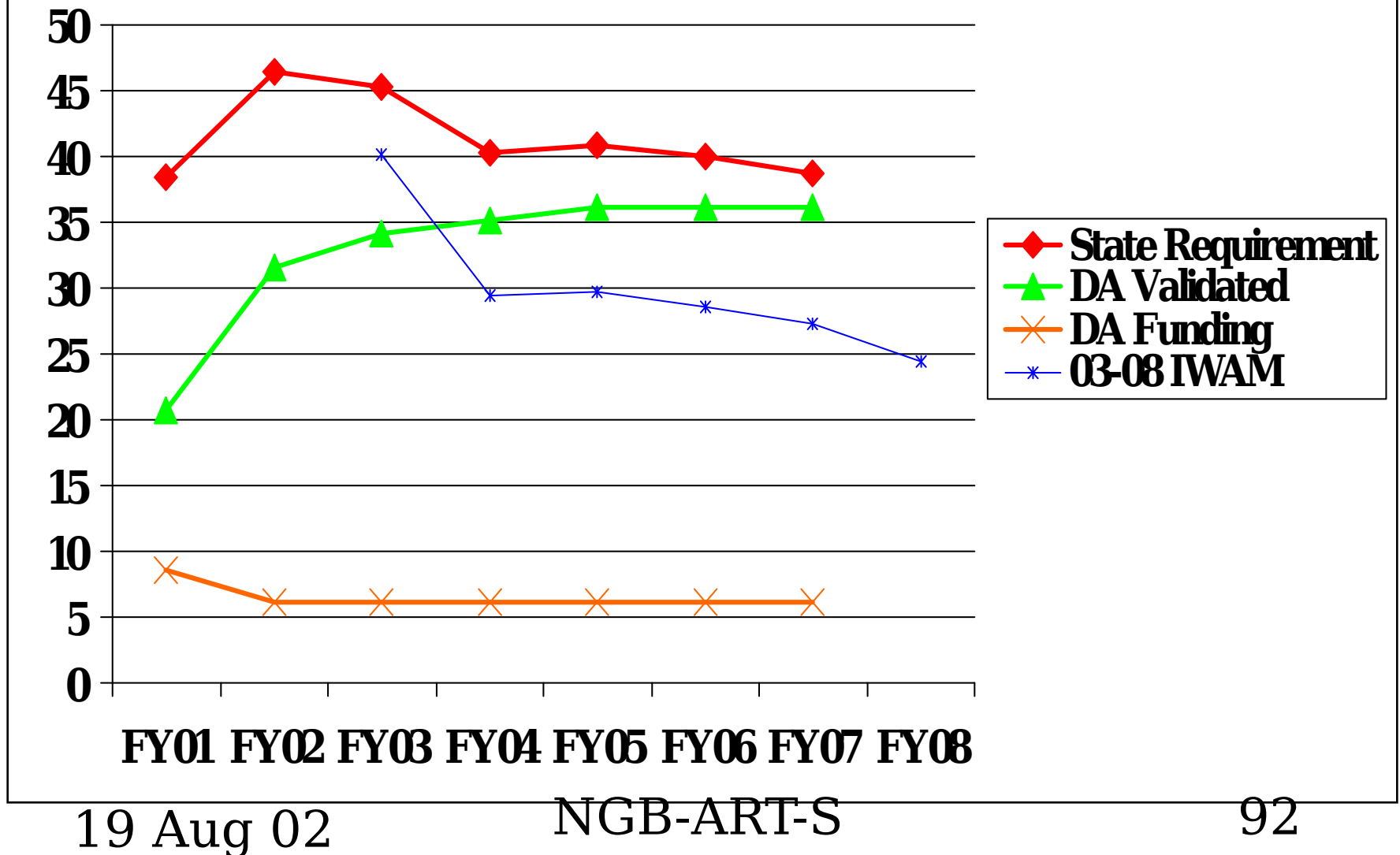
19 Aug 02

NGB-ART-S

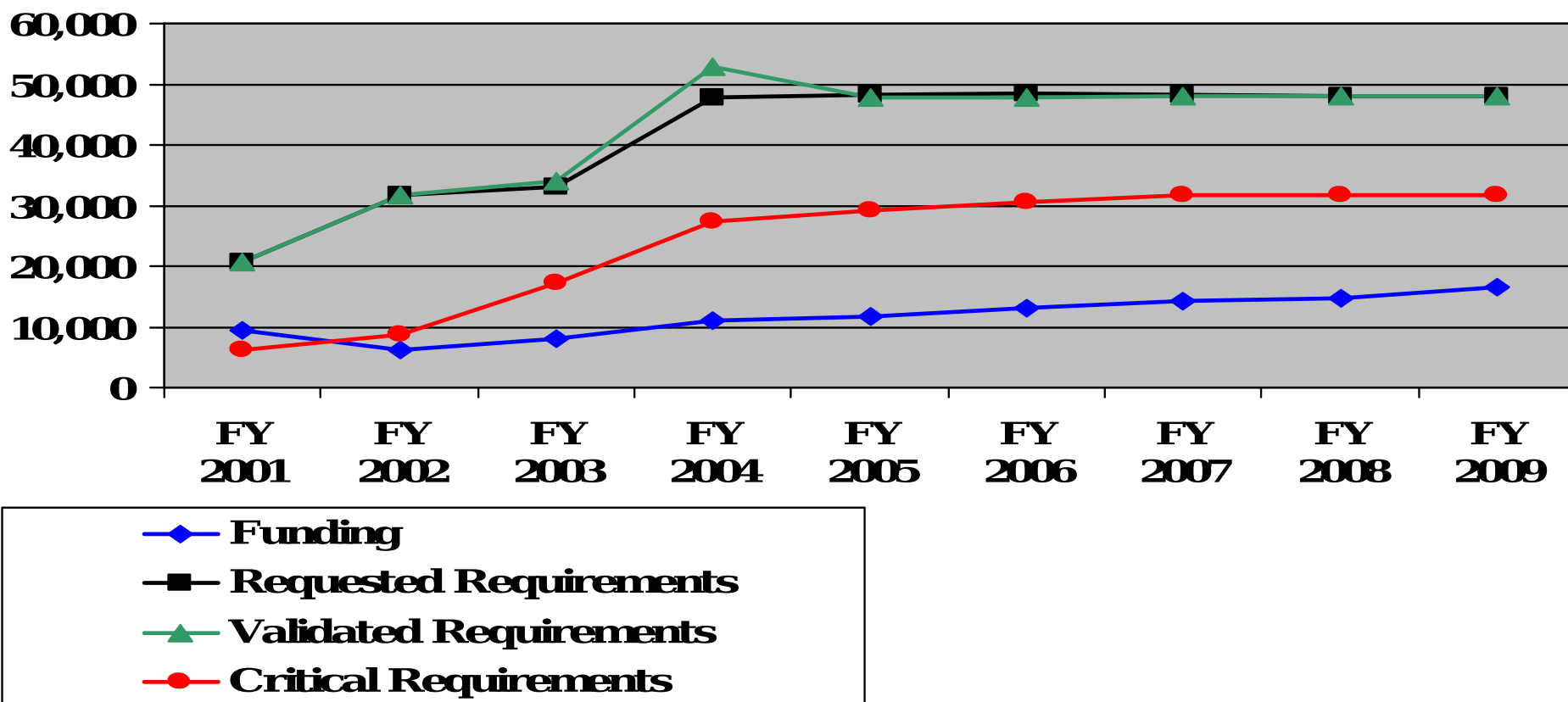
91



FY 03-08 IWAM Submission



	<i>FY 2001</i>	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>	<i>FY 2007</i>	<i>FY 2008</i>
Requested Requirements	20,742	31,652	33,098	47,799	48,286	48,403	48,240	47,987
Validated Requirements	20,742	31,652	33,998	52,799	47,846	47,893	47,940	47,987
Critical Requirements	6,264	8,770	17,263	27,351	29,196	30,576	31,691	31,722
Funding	9,428	6,110	8,115	11,112	11,720	13,148	14,246	14,761
Deltas								
Funding shortfall from Requested Req.	(11,314)	(25,542)	(24,983)	(36,687)	(36,566)	(35,255)	(33,994)	(33,226)
Funding shortfall from Validated Req.	(11,314)	(25,542)	(25,883)	(41,687)	(36,126)	(34,745)	(33,694)	(33,226)
Funding shortfall from Critical Req.	3,164	(2,660)	(9,148)	(16,239)	(17,476)	(17,428)	(17,445)	(16,961)
Percentages								
Percent of Requested Req Funded	45.5%	19.3%	24.5%	23.2%	24.3%	27.2%	29.5%	30.8%
Percent of Validated Req Funded	45.5%	19.3%	23.9%	21.0%	24.5%	27.5%	29.7%	30.8%
Percent of Critical Req Funded	150.5%	69.7%	47.0%	40.6%	40.1%	43.0%	45.0%	46.5%

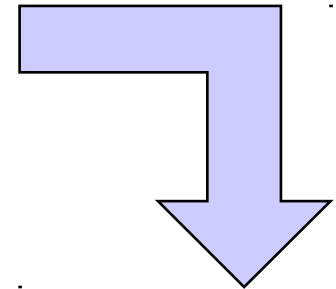
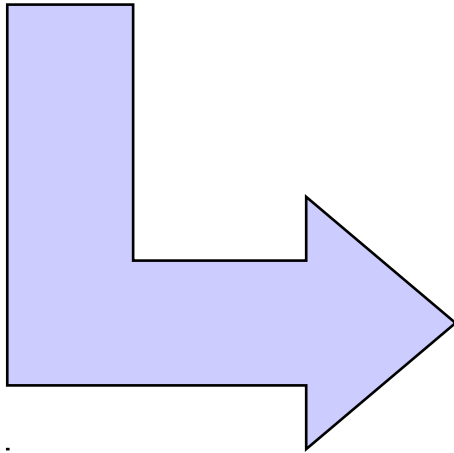




Program Funding

	FY 2001	FY 2002	FY 2003	FY 2004
Funding (Millions \$)	9.428	6.110	8.115	11.112

	FY 2005	FY 2006	FY 2007	FY 2008
Funding (Millions \$)	11.72 0	13.14 8	14.246	14.761



ITAM FUNDING



IWAM Build

- Completed IWAM due to NGB **15 Jan 04**
- ATSC has a contract for Web Version ???
 - But no Maintenance Contract
 - ATSC POC Mr. Larry Jantz (757) 878-3090
- Projects for **FY 04-09** need to:
 - Be detailed
 - Follow Appendix G & H of ITAM Procedural Manual
 - Coordinate with other staff / ask for needs



APPDX G & H EXAMPLES

- Capping Archaeological Sites
- Fencing
- Fire Pre-suppression
- Vehicles
- Non vehicle equipment
- Planning
- etc.



Training Lands Support





Building the ITAM Workplan:

- For the purpose of the annual ITAM workplan, projects include supplemental staffing, systems, products, and activities to execute ITAM for the year indicated.
- Each project is described to convey the scope of work. General schedule workforce authorizations and salaries are not included in the workplan since those positions are not resourced through the ITAM MDEP.



Workplan validation and approval:

- Installation Commander
- POTO
- FMO
- MACOM validation
 - NGB-ARE
 - NGB-ART
- Department of the Army

(Approval is made by project)



Supporting Unplanned Requirements:

During the year of budget execution, unplanned ITAM resource requirements may occur. If these require immediate execution, i.e., Repair or maintenance, the installation must reprioritize projects or cancel lower priority projects in order to fund the un-programmed requirements.

Alternately, the installation can adjust resourcing levels for other validated projects to fund the new requirement. In some cases, the installation may opt to use year-end funds to cover the expense of these unprogrammed requirements.



Developing Project Priorities:

There are numerous sources of information that can assist in prioritizing LRAM projects. These include the following:

- METL training requirements
- Input from military land users
- Site Rehabilitation Prioritization ranking
- Sensitive area location in relation to training area (e.g., wetlands, endangered species habitats, natural areas, private property).



- A different way to look at setting project priorities:
 - Training stopped
 - Training Area needs rotational break
 - Training inhibited
 - Training maybe inhibited
 - No impact on training yet

Using IWAM

WAM

File Edit Insert Records Window Help

Project Detail

WPS_01-06

Project Detail Pgm FY: ALL BrowseProj ModifyProj AddProj DeleteProj 15-Feb-00

CAMP ATTERBURY Pgm FY: 2001 LocalProj ID: ITAM-0001 Priority: 1 Status: V Project Stage: R

TrainingFacilities:
< Overall Installation >

Proj. Description:
Leased GSA vehicle (2) year-round for transportation purposes for ITAm personel full-time and seasonal

Proj. Short Title:
ITAM GSA Vehicle

MACOM Memo Execution Memo

Standard ITAM Practices: BrowseLine ModifyLine AddLine DeleteLine

Compo- nent	Work Area	Work Category	Sub Category	UOM	Tot.Requirement Qty	Tot.Commit Cost	Tot.Obligated Cost	Tot.Non-ITAM Qty	Tot.Non-ITAM Cost
TRI	ITAM Coordinator	Coordinator Vehicle	none	tot\$	2	\$14,000			

Record: 1 of 1

	EA	LCTA	LRAM	TRI	Project Total
<i>Project Requirement</i>				\$14,000	\$14,000
<i>MACOM Validated</i>	\$0	\$0	\$0	\$14,000	\$14,000
<i>Obligated</i>					

Record: 1 of 82

Form View

Project Detail

WPS_01-06

Last Updated: 15-Feb-00

Project Detail

CAMP ATTERBURY

Pgm FY: 2001

LocalProj ID: INAT-0001

Priority: 1

Status: V

ProjectStage: R

Training Facility(s): Available

< Overall Installation >

Training Area 1B

Training Area 1C

Training Area 1D

Training Area 1E

Proj. Short Title:

ITAM GSA Vehicle

Proj. Description:

Leased GSA vehicle (2) year-round for transportation purposes for ITAm personel full-time and seasonal

< Overall Installation >

MACOM Memo:

Execution Memo:

Project only cost \$10000. \$4000 will go to INAT-0003

	EA	LCTA	LRAM	TRI	Project Total
Total Requirement				\$14,000	\$14,000
MACOM Validated	\$0	\$0	\$0	\$14,000	\$14,000

Save Project Changes As Shown?

No

Yes

Use Execution Memo
to explain changes

Project Detail

WPS_01-06

Last Updated: 15-Feb-00

Project Detail

Pgm FY: ALL

BrowseProj

ModifyProj

AddProj

DeleteProj



Back

CAMP ATTERBURY

Pgm FY: 2001 LocalProj ID: INAT-0001

Priority: 1

Status: V

Project Stage: P

TrainingFacilities:

< Overall Installation >

Proj. Description:

Leased GSA vehicle (2) year-round for transportation purposes for ITAm personel full-time and seasonal

Proj. Short Title:

ITAM GSA Vehicle

MACOM MemoModify Project
Line(s)**Standard ITAM Practices:**

BrowseLine

ModifyLine

AddLine

DeleteLine

Compo- nent	Work Area	Work Category	Sub Category	UOM	Tot.Requirement Qty	Tot.Cost	Tot.Commit -ed Cost	Tot.Obligated Qty	Tot.Cost	Tot.Non-ITAM Qty	Tot.Cost
▶ TRI	ITAM Coordinator	Coordinator Vehicle	none	tot\$	2	\$14,000					

Record: 1 of 1

*Project Requirement**MACOM Validated**Obligated*

Project

Record: 1 of 82

EA	LCTA	LRAM	TRI	Project Total
			\$14,000	\$14,000
\$0	\$0	\$0	\$14,000	\$14,000

Project Detail

Project Detail

WPS_01-06

Pgm FY: ALL

CAMP ATTERBURY

Pgm FY: 2001 LocalProj ID: INAT-0001 Priority: 1 Status: V Project Stage: R

TrainingFacilities:

< Overall Installation >

Proj. Short Title:

ITAM GSA Vehicle

Proj. Description:

Leased GSA vehicle (2) year-round for transportation purposes for ITAm personel full-time and seasonal

MACOM Memo

Execution Memo

Project only cost \$10000. \$4000 will go to INAT-0003

Fill- in funding data

Standard ITAM

Compo- nent	Work Area	Work Category	Category	UOM	Tot. Required	Qty	Cost	Qty	Cost
TRI	ITAM Coordinator	Coordinator Vehicle	none	tot\$	2	\$14,000			
							Tot. Committed:		\$10,000
							Tot. Obligated:		\$10,000
							Tot. Non-ITAM:		0

Save Your Changes As Shown?

No Yes

Project Detail

WPS_01-06

Last Updated: 27-Nov-00

Project Detail

Pgm FY ALL

BrowseProj

ModifyProj

AddProj

DeleteProj



Back

CAMP ATTERBURY

Pgm FY: 2001 LocalProj ID: INAT-0001 Priority: 1 Status: V Project Stage: R

TrainingFacilities:

< Overall Installation >

Proj. Description:

Leased GSA vehicle (2) year-round for transportation purposes for ITAm personel full-time and seasonal

Proj. Short Title:

ITAM GSA Vehicle

MACOM Memo

Execution Memo

Project only cost \$10000. \$4000 will go to INAT-0003

Standard ITAM Practices:

BrowseLine

ModifyLine

AddLine

DeleteLine

Compo- nent	Work	Sub	UOM	Tot.Requirement Qty	Tot.Commit Cost	Tot.Obligated Cost	Tot.Obligated Qty	Tot.Non-ITAM Cost	Tot.Non-ITAM Qty
				2	\$14,000	\$10,000		\$10,000	\$0

Starts to build
Obligation Data / Report

Record: 1 of 1

Project Requirement

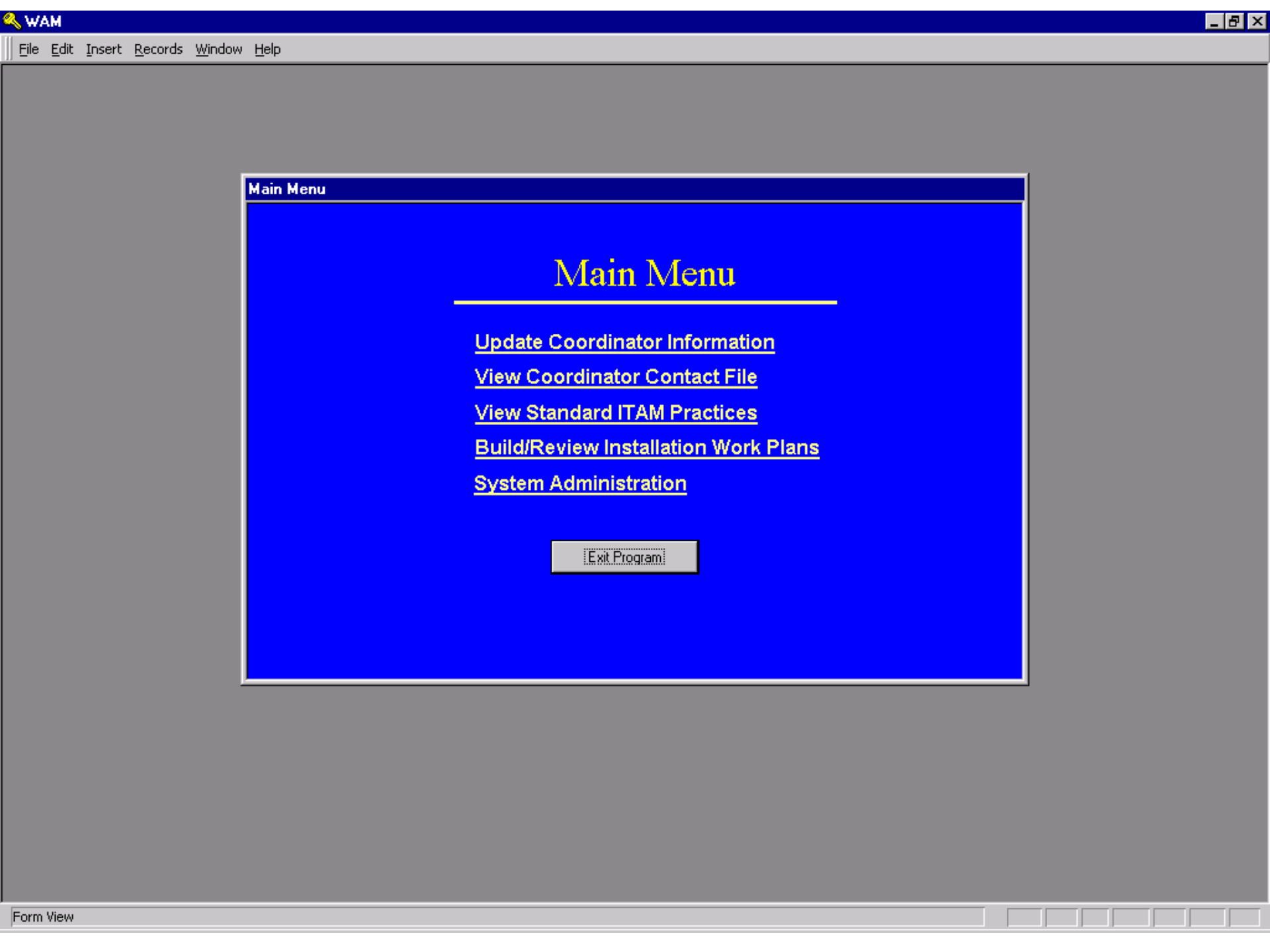
MACOM Validated

Obligated

Project

Record: 1 of 82

EA	LCTA	LRAM	TRI	Project Total
			\$14,000	\$14,000
\$0	\$0	\$0	\$14,000	\$14,000
			\$10,000	\$10,000



Main Menu

Main Menu

Update Coordinator Information

View Coordinator Contact File

View Standard ITAM Practices

Build/Review Installation Work Plans

System Administration

Exit Program

WAM Administration Module

Introduction

INTRODUCTION

Staff, TA & WPS

– The "Staff, TA & WPS" hyperlink allows you to enter pertinent information on staff, training areas and WPS.

Migrate/Copy

– The "Migrate & Copy" hyperlink allows you to move validated "out-year" projects from one WPS to another. This hyperlink also allows you to copy "recurring" projects between FYs and into a new WPS.

Import/Export

– The "Import & Export" hyperlink allows you to import validated WPS and transmit new WPS to your higher echelon. Additionally, a log is available that tracks WPS actions.

Return To
Main Menu

WAM Administration Module

Introduction

Staff, TA & WPS

Migrate/Copy

Import/Export

**Return To
Main Menu**

WPS Rolodex

Use the WPS Rolodex to initiate a new WPS and update the status of other WPS.

Staff Rolodex Training Facility Rolodex WPS Rolodex

Browse

Modify

Add

Delete

Installation	WPS Name	Type	Date Created	Date Submitted	Date Reviewed	Record Status
▶ CAMP ATTERBURY	WPS_01-06	S	02-Nov-00	03-Nov-00	25-Feb-00	A +

Record: ◀ ◁ 1 ▷ ▶ ⌕ of 1

Click a column label to sort by that item. Color Order: 1 2 3 4 5 6 7

WAM Administration Module

CAMP ATTERBURY: WPS Detail

CAMP ATTERBURY

Installation: CAMP ATTERBURY

Enter the WPS FY Start:
(4 digits)

And End:

Create the new WPS?

No

Yes

Record: 1 2 3 4 5 6 7 or 1

Click a column label to sort by that item. Color Order: 1 2 3 4 5 6 7

WAM Administration Module

[Introduction](#)

[Staff, TA & WPS](#)

[Migrate/Copy](#)

[Import/Export](#)

[Return To Main Menu](#)

WPS Rolodex

Use the WPS Rolodex to initiate a new WPS and update the status of other WPS.

Staff Rolodex Training Facility Rolodex WPS Rolodex

	Installation	WPS Name	Type	Date Created	Date Submitted	Date Reviewed	Record Status	
▶	CAMP ATTERBURY	WPS_01-06	S	02-Nov-00	03-Nov-00	25-Feb-00	A	+ ▲
	CAMP ATTERBURY	WPS_02-08	S	27-Nov-00			A	+ ▼

Record: of 2

Click a column label to sort by that item. Color Order: 1 2 3 4 5 6 7

WAM Administration Module

IntroductionStaff, TA & WPSMigrate/CopyImport/Export

**Return To
Main Menu**

Migrate Validated Projects

You can migrate "out-year" projects from one WPS to another.

Migrate Projects to New WPS | Copy Projects

To successfully migrate projects, the following conditions must exist:

- The projects you want to migrate are VALIDATED (they have a project status of V, A or N).
- The Destination WPS must EXIST.
- The PROGRAMMED YEAR and PROJECT NUMBER of the projects you want to migrate must not conflict with any projects in the destination WPS.

1. Identify the Source WPS?

WPS_01-06

2. Identify the Destination WPS?

WPS_02-08

Question



Prepared To Migrate Data.
Validated Projects from FY Pgm 2002 To 2006 will
be copied from WPS_01-06 into WPS_02-08.

Are You Ready To Proceed?

Yes

No

WAM Administration Module

Migrate Validated Projects

You can migrate "out-year" projects from one WPS to another.

Success

Successfully Migrated 64 Project(s)
Including records for 87 Project LineItems
and 50 Training Facilities

OK

Migrate Projects from Source WPS to Destination WPS

Projects must exist:
must have a project status of V, A or N).

The PROGRAMMED YEAR and PROJECT NUMBER of the projects you want to migrate must not conflict with any projects in the destination WPS.

1. Identify the Source WPS?
WPS_01-06
2. Identify the Destination WPS?
WPS_02-08
3.

[Return To Main Menu](#)

WAM Administration Module

[Introduction](#)[Staff, TA & WPS](#)[Migrate/Copy](#)[Import/Export](#)[Return To
Main Menu](#)

Copy Projects from Recurring Data

Some ITAM projects occur every year.
Recurring projects can be copied between FYs and WPS.

Migrate Projects to New WPS

Copy Projects

Where will we Build the new Project ?

In What WPS? WPS_02-08

PgmFY? 2004

& Proj ID? INAT-0100

Where is the Source Of Data?

What WPS? WPS_01-06

Specify the Project to Copy.

	PgmFY	Proj ID	Short Title	Selection
☐	2001	INAT-0001	ITAM GSA Vehicle	☐
☐	2001	INAT-0002	LCTA Field Crews	☐
☒	2001	INAT-0003	GIS Software maint	☐
☐	2001	INAT-0004	LCTA Vehicle	☐
☐	2001	INAT-0005	...	☐

Record: 3 of 82

Build New Project

UNPLANNED REQUIREMENTS

Installation
Validated Project

WAM
File Edit Insert Records Window Help

Project Detail WPS_01-06 Updated: 28-Jan-00

Project Detail Pgm FY: ALL BrowseProj ModifyProj AddProj DeleteProj Back

HASTINGS Pgm FY: 2001 LocalProj ID: NEHAME-001 Priority: 1 Status: VI Project Stage: R

TrainingFacilities: Mead

Proj. Short Title: GIS Data Management

MACOM Memo Execution Memo

Local Project ID with sub-installation

Work Area	Work Category	Sub Category	UOM	Tot. Requirement Qty	Tot. Requirement Cost	Tot. Commit -ed Cost	Tot. Obligated Qty	Tot. Obligated Cost	Tot. Non-ITAM Qty	Tot. Non-ITAM Cost
LCTA Geographic Information	GIS vehicles	none	tot\$	1	\$10,000					

Record: 1 of 1

EA	LCTA	LRAM	TRI	Project Total
	\$10,000			\$10,000
\$0	\$0	\$0	\$0	\$0

Project Requirement
MACOM Validated
Obligated

Record: 27 of 32

Form View

IWAM Problem Areas

WAM

File Edit Insert Records Window Help

Project Detail

WPS_01-06 Last Updated: 23-Nov-00

Project Detail Pgm FY 2001 BrowseProj ModifyProj AddProj DeleteProj Back

HASTINGS 3 Status: P Project Stage: R

TrainingF
< Overa

Proj. Description
Weed control

Execution Memo

Standard ITAM Practices.

BrowseLine ModifyLine AddLine DeleteLine

Compo- nent	Work Area	Work Category	Sub Category	UOM	Tot.Requirement Qty	Tot.Commit Cost	Tot.Obligated Cost	Tot.Non-ITAM Qty	Tot.Non-ITAM Cost
▶ LRAM	User Defined	User Defined	none	ea	1	\$10,000			

Record: 1 of 1

Project Requirement

EA	LCTA	LRAM	TRI	Project Total
		\$10,000		\$10,000

Project

Record: 19 of 25

Form View

Stay away from user defined projects

Project Detail

Project Detail Pgm FY

06

Priority: 6

Status: V

Project Stage: R

Last Updated: 19-Feb-00

Back

FORT PICKETT

TrainingFacilities:

TA 11

TA 12

TA 12

Short Title:

Invasive Species Control

MACOM Memo

Execution Memo

Proj. Description:

80 acres of kudzu in the Northern Training Area will be chemically eradicated. Biological control measures will be used for spotted knapweed.

Standard ITAM Practices:

Compo- nent	Work Area	Work Category	Sub Category	UOM	Tot.Requirement Qty	Tot.Commit Cost	Tot.Obligated Qty	Tot.Obligated Cost	Tot.Non-ITAM Qty	Tot.Non-ITAM Cost
▶ LRAM	Training Area/Range	Maneuver Corridor/Area	Herbicide - Foliar	ac	9	\$47,000				

Record: 1 of 1

Project Requirement

MACOM Validated

Project Obligated

EA	LCTA	LRAM	TRI	Project Total
		\$47,000		\$47,000
		\$47,000		\$47,000

Record: 17 of 69

Multiple TNG Areas

80 Ac

1 Ac

Quantities and Units of Measure

Road Maintenance

Trail Maintenance

Detail WPS_01-06

Pgm FY: **ALL**

Pgm FY: 2002 LocalProj ID: VAPI-021

Project Stage: R

Project Name: Trail Maintenance

Location: Tower Road Training Area 53 will be rehabilitated with regrading of drainages, seeding, and erosion control applications.

MACOM Memo Execution Memo

Component	Work Area	Work Category	Sub Category	UOM	Tot Requirement Qty	Tot Requirement Cost	Tot Committed Cost	Tot Obligated Cost	Tot Non-ITAM Qty	Tot Non-ITAM Cost
LRAM	Training Area/Range	Land/Soil Stabilization; General	Fabrics & Netting	sy	1	\$10,000				
LRAM	Training Area/Range	Land/Soil Stabilization; General	Grading &	ac	1	\$20,000				
LRAM	Training Area/Range	Land/Soil Stabilization; General	Hydroseeding	ac	1	\$20,000				

Record: 1 of 3

EA	LCTA	LRAM	TRI	Project Total
		\$50,000		\$50,000
		\$50,000		\$50,000

Consistency

Missing field
data

Appropriate
priority

All
Components
needed to
support
project

WPS_01-06

CAMP SHELBY

Pgm FY: 2002 LocalProj ID: MSSH

Status:

Project Stage: R

TrainingFacilities:

Proj. Description:

Provide salary and support package for LCTA Coordinator.

Standard ITAM Practices:

Component	Work Area	Work Category	Sub Category	MACOM	Tot. Requirement Qty	Tot. Requirement Cost	Tot. Committed Cost	Tot. Obligated Qty	Tot. Obligated Cost	Tot. Non-ITAM Qty	Tot. Non-ITAM Cost
LCTA	LCTA Coordinator	Coordinator Vehicle	none	tot\$	1	\$7,000					
LCTA	LCTA Coordinator	Plot Management Supplies	none	tot\$	1	\$2,000					
LCTA	LCTA Coordinator	Salary	none	tot\$	1	\$50,000					

Record: 1 of 5

Project Requirement
MACOM Validated
Obligated

EA	LCTA	LRAM	TRI	Project Total
	\$74,000			\$74,000
\$0	\$74,000	\$0	\$0	\$74,000

Project Detail

WPS_01-06

Project: FORT PICO

TrainingFacility: TA 11

Description: g Area 11, grid 396 094 is a severe wash out. It es to the sedimentation problems in Tommeheton Creek degrade the training area.

Updated: 19-Feb-00

MACOM Memo Execution Memo

Proj. Short Title: MRTCLAM

Pgm FY: 2002 LocalProj ID: VAPI-0207 Priority: 7 Status: V Project Stage: R

Work Area Work Category Sub Category UOM Tot.Requirement Qty Tot.Commit ted Cost Tot.Obligated Qty Cost Tot.Non-ITAM Qty Cost

ection	Soil Rehabilitation	Critical Area	ac					
--------	---------------------	---------------	----	--	--	--	--	--

1 of 1

Project Requirement MACOM Validated Obligated

LRAM	TRI	Project Total
\$10,000		\$10,000
\$10,000		\$10,000

Record: 18 of 69

One TNG Area

Low priority

Specific area and project description

Critical Area